

70-480 Dumps

Programming in HTML5 with JavaScript and CSS3

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NEW QUESTION 1

You are developing a customer web form that includes the following HTML.

```
<input id="txtValue" type="text" />
```

A customer must enter a valid age in the text box prior to submitting the form. You need to add validation to the control.

Which code segment should you use?

- ☐ A.

```
function validate() {
    var value = $("#txtValue").text();
    var regex = /^[0-9]*$/;
    if (!regex.test(value) || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ B.

```
function validate() {
    var name = $("#txtValue").val();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ C.

```
function validate() {
    var name = $("#txtValue").text();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ D.

```
function validate() {
    var value = $("#txtValue").val();
    var regex = /^[0-9]*$/;
    if (!regex.test(value) || value == "")
        alert("please enter valid value");
    return;
}

return emailPattern.test(userinput);
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

.val

Return value

A string containing the value of the element, or an array of strings if the element can have multiple values

NEW QUESTION 2

You are developing an application that consumes a Windows Communication Foundation (WCF) service.

The application interacts with the service by using the following code. (Line numbers are included for reference only.)

```

01 <script>
02     function getCountry(country) {
03         $.ajax({
04             type: "POST",
05             contentType: "application/json; charset=utf-8",
06             url: "http://contoso.com/Service.svc/GetCountry",
07             data: '{"Country":"' + country + '"}',
08             dataType: "json",
09             success: OnSuccess,
10             error: OnError
11         });
12     }
13     function OnSuccess(data, status) {
14         ...
15     }
16     function OnError(request, status, error) {
17         ...
18     }
19 }
20 </script>

```

You need to authenticate to the WCF service. What should you do?

- A. At line 11, add the following lines of code.,username: yourusername,password: yourpassword
- B. At line 11, add the following line of code.,credentials: prompt
- C. At line 06, replace the code with the following line of cod
- D. url: "http://contoso.com/Service.svc/GetCountry? Username=username&password=password",
- E. At line 11, add the following line of cod
- F. The username and password will be stored in an XML file.,credentials: credentials.xml

Answer: C

NEW QUESTION 3

You are developing a web form that includes the following code.

```

<div id="dynamicForm">
    <input type="checkbox" id="myCheckbox" onclick="ShowInputBox('dynamicForm');" >
</div>

```

When a user selects the check box, an input text box must be added to the page dynamically. You need to ensure that the text box is added. Which function should you use?

- ☐ A.

```
function ShowInputBox(divName)
{
    var newInputDiv = document.createElement('div');
    newInputDiv.innerHTML = "<input type='text' id='newInputBox'>";
    document.getElementById(newInputDiv).appendChild(divName);
}
```
- ☐ B.

```
function ShowInputBox(divName)
{
    var newInputDiv = document.createElement('div');
    newInputDiv.innerHTML = "<input type='text' id='newInputBox'>";
    document.getElementById(divName).appendChild(newInputDiv);
}
```
- ☐ C.

```
function ShowInputBox(divName)
{
    var newInputDiv = document.createElement('div');
    newInputDiv.innerHTML = "<input type='text' id='newInputBox'>";
    document.getElementById(divName).applyElement (newInputDiv);
}
```
- ☐ D.

```
function ShowInputBox(divName)
{
    var newInputDiv = document.createElement('div');
    newInputDiv.innerHTML = "<input type='text' id='newInputBox'>";
    document.getElementById(newInputDiv).applyElement (divName);
}
```

- A. Option A
- B. Option B
- C. Option C

D. Option D

Answer: B

Explanation:

We create a new div element with the textbox.

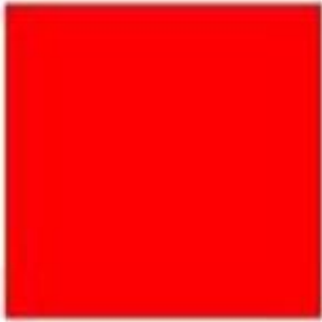
We then use appendChild() method appends this node as the last child the input node divname. Reference: HTML DOM appendChild() Method

NEW QUESTION 4

HOTSPOT

An HTML page has a canvas element.

You need to draw a red rectangle on the canvas element dynamically. The rectangle should resemble the following graphic.



How should you build the code segment? (To answer, select the appropriate options from the drop- down lists in the answer area.)

```
<!DOCTYPE html>
<html>
<body>
  <canvas id="mycanvas" width="300" height="300"></canvas>
  <script type="text/javascript">
    context.fillRect(50, 50, 100, 100);
    var context = canvas.getContext('2d');
    context.fillRect(50, 50, 100, 100);
    context.fillRect(50, 50, 100, 100);
  </script>
</body>
</html>
```



```
<!DOCTYPE html>
<html>
<body>
  <canvas id="mycanvas" width="300" height="300"></canvas>
  <script type="text/javascript">
    context.fillRect(50, 50, 100, 100);
    context.fillRect(50, 50, 100, 100);
    context.fillStyle = "rgb(255, 0, 0)";
    var canvas = document.getElementById('mycanvas');
    var canvas = document.BeginPath();

    var context = canvas.getContext('2d');

    context.fillRect(50, 50, 100, 100);
    context.fillRect(50, 50, 100, 100);
    context.fillStyle = "rgb(255, 0, 0)";
    var canvas = document.getElementById('mycanvas');
    var canvas = document.BeginPath();

    context.fillRect(50, 50, 100, 100);
    context.fillRect(50, 50, 100, 100);
    context.fillStyle = "rgb(255, 0, 0)";
    var canvas = document.getElementById('mycanvas');
    var canvas = document.BeginPath();

  </script>
</body>
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* getElementById

The getElementById() method accesses the first element with the specified id. We use it to get a reference to the canvas.

* context.fillStyle. Example:

Define a red fill-color for the rectangle: JavaScript:

var c=document.getElementById("myCanvas"); var ctx=c.getContext("2d"); ctx.fillStyle="#FF0000"; ctx.fillRect(20,20,150,100);

Reference: HTML canvas fillStyle Property

NEW QUESTION 5

DRAG DROP

You are creating an application by using HTML5 and CSS3. The styles for the pages are derived from five style sheets.

The styles are not being applied correctly to the pages in the application. You need to apply the styles from highest priority to lowest priority.

In which order should you use the five style sheets? (To answer, move the style sheet types from the list of style sheet types to the answer area and arrange them in the correct order.)

user important style sheets

user normal style sheets

author normal style sheets

user agent style sheets

author important style sheets

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* From highest priority to lowest priority. User important style sheets

Author important style sheets Author normal style sheets User normal style sheets

User agent style sheets

* CSS declarations are applied in this order (from lowest to highest priority):

· User agent declarations (the default styles your browser applies to elements)

· User normal declarations (a user's own stylesheet if they're using one)

· Author normal declarations (this is your normal stylesheet)

· Author important declarations (anything your mark important)

· User important declarations (any important styles from the user's stylesheet)

Reference: Assigning property values, Cascading, and Inheritance; In what order do CSS definitions take priority

<http://www.w3.org/TR/CSS21/cascade.html>

<http://www.quora.com/In-what-order-do-CSS-definitions-take-priority>

NEW QUESTION 6

You are styling a box object on a page by using CSS3. You need to set the transparency of the object to 50%.

Which two CSS3 styles will achieve the goal? (Each correct answer presents a complete solution.

Choose two.)

- ☐ A.

```
.Box {  
    background: rgb(255,0,0);  
    backface-visibility: hidden;  
}
```
- ☐ B.

```
.Box {  
    background: rgb(255,0,0);  
    background: rgba(255,0,0,.5);  
}
```
- ☐ C.

```
.Box {  
    background: rgb(255,0,0);  
    opacity: 0.5;  
}
```
- ☐ D.

```
.Box {  
    background: rgb(255,0,0);  
    background-color: #fff;  
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: BC

Explanation:

The RGBA declaration allows you to set opacity (via the Alpha channel) as part of the color value. Example:

```
div { background-color: rgba(255,0,0,0.5); }
```

The background color has been set to blue, and the opacity set to half. Example 2:

```
background-color: rgb(0,0,255); opacity: 0.5;
```

The background color has been set to blue, and the opacity set to half. Reference: A brief introduction to Opacity and RGBA <http://www.css3.info/introduction-opacity-rgba/>

NEW QUESTION 7

DRAG DROP

You are developing a website that has many web pages with hyperlinks to other sites.

You need to ensure that if a hyperlink contains an image, the linked web page opens in a new window.

Which jQuery code segment or segments should you use? (To answer, drag the appropriate line of code to the correct location. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

```
$( "a img").each(function () {
$(this).parent().attr('target', '_blank')
$( "a").each(function () {
$(this).attr('target', '_blank')
```

Answer Area

```
<!DOCTYPE html>
<html>
<head>
  <title></title>
  <script src="http://code.jquery.com/jquery-latest.js">
  </script>
</head>
<body>
  <a href="http://www.microsoft.com">
    
  </a>
</body>
<script>
  $(document).ready(function () {
    [ ]
    [ ]
  });
});
</script>
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* a img
All elements that are descendants of an element.
* (this).parent
This is the element and is the parent.

NEW QUESTION 8

DRAG DROP

You are developing a web page that will be accessed from various types of devices. You have the following requirements:

The appropriate display resolution must be selected dynamically based on the device that is connecting to the page.

Mobile devices with a maximum width of 480 pixels must be able to use the page. You need to ensure that the page displays correctly on any device.

How should you build the code? (To answer, drag the appropriate media statement to the correct location. Each media statement may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

screen and (min-width:200px) and (max-width:480px)

size and (min-width:200px) and (max-width:480px)

screen and (min-width:480px)

size and (min-width:480px)

```
@media [ ]
{
    #navbar {
        float: none;
        width: 200px;
    }
}
@media [ ]
{
    #navbar {
        float: left;
        width: 500px;
    }
}
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

* The @media rule is used to define different style rules for different media types/devices. CSS Syntax
@media not|only mediatype and (media feature) { CSS-Code;
}
* Media type: Screen
Used for computer screens. Incorrect:
Not size: there is no media type size.
Reference: CSS3 @media Rule; CSS Media Types

NEW QUESTION 9

You are developing a web page that will be divided into three vertical sections. The main content of the site will be placed in the center section. The two outer sections will contain advertisements.

You have the following requirements:

The main content section must be set to two times the width of the advertising sections. The layout must be specified by using the CSS3 flexible box model. You need to ensure that the visual layout of the page meets the requirements. Which CSS3 property should you use?

- A. box-orient
B. box-flex-group
C. box-flex
D. box-direction

Answer: C

Explanation:

box-flex
Values: 0 | Any integer
The flexibility ratio for this child. If a child had 1 and its sibling had 2, any additional space in the parent box would be consumed twice as much by the sibling. It defaults to 0 which is inflexible. Reference: Quick hits with the Flexible Box Model <http://www.html5rocks.com/en/tutorials/flexbox/quick/>

NEW QUESTION 10

You are developing a web page that consumes a Windows Communication Foundation (WCF) service. The page includes the following code segment. var xhr = new XMLHttpRequest() ;

The page uses the xhrHandler() method to listen for changes to the request status of the WCF service calls. It uses the xmlToJavaScript() method to convert the response from the WCF service to a JavaScript object.

The xhrHandler() method must be called automatically each time the request status changes. You need to add the event handler to the request object.

Which line of code should you use?

- A. xhr.onCallback = xhrHandler;
B. xhr.onreadystatechange = xhrHandler;
C. xhr.readyState = xhrHandler;
D. xhr.status = xhrHandler;

Answer: B

Explanation:

/ onreadystatechange: Sets or retrieves the event handler for asynchronous requests. Specifies a reference to an event handler for an event that fires at every state change readyState

Returns the state of the object as follows:

* 0 = uninitialized – open() has not yet been called.

* 1 = open – send() has not yet been called.

* 2 = sent – send() has been called, headers and status are available.

* 3 = receiving – Downloading, responseText holds partial data (although this functionality is not available in IE [3])

* 4 = loaded – Done.

/ Example (assuming that there is a function handler(): var oReq = getXMLHttpRequest();

if (oReq != null) {

oReq.open("GET", "http://localhost/test.xml", true); oReq.onreadystatechange = handler;

oReq.send();

Reference: XMLHttpRequest object; XMLHttpRequest (XHR) [https://msdn.microsoft.com/en-us/library/ie/ms535874\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/ie/ms535874(v=vs.85).aspx)

<http://mrfwebdesign.blogspot.ca/2008/11/xmlhttprequest-xhr.html>

NEW QUESTION 10

You are creating a class named Sedan that must inherit from the Car class. The Sedan class must modify the inherited fourDoor () method. The Car class is defined as follows.

```
function Car() {}  
Car.prototype.fourDoor = function () {  
    alert('four doors');  
}
```

Future instances of Sedan must be created with the overridden method. You need to write the code to implement the Sedan class.

Which two code segments should you use? (Each correct answer presents part of the solution. Choose two.)

- ☐ A.

```
Sedan.fourDoor = function ()  
{  
    alert('door count');  
}
```
- ☐ B.

```
Sedan.prototype.fourDoor = function ()  
{  
    alert('door count');  
}
```
- ☐ C.

```
function Sedan()  
{  
    Car.call(this);  
}  
Sedan.prototype = new Car();  
Sedan.prototype.constructor = Sedan;
```
- ☐ D.

```
function Sedan()  
{  
    Car.call(this);  
}  
Sedan.prototype.constructor = Sedan.create;
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: BC

Explanation:

* The Object.prototype property represents the Object prototype object.

* Object.prototype.constructor

Specifies the function that creates an object's prototype.

* Example:

Employee.prototype = new Person(); var Customer = function(name) { this.name = name;

};

Customer.prototype = new Person(); var Mime = function(name) { this.name = name;

this.canTalk = false;

};

Mime.prototype = new Person(); Reference: Object.prototype

NEW QUESTION 12

You are developing application web form by using HTML5 and JavaScript. You need to prevent users from submitting form data more than once. Which code segment should you use?

- ☐ A.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(this)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(this)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```
- ☐ B.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      this.disabled = true;
    }
  </script>
</body>
```
- ☐ C.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      document.getElementById("btn" + this.name).disabled = true;
    }
  </script>
</body>
```
- ☐ D.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(me)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(me)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

Explanation:

* this, in disable(this), refers to the clicked button.

* The disabled attribute is a boolean attribute.

When present, it specifies that the <input> element should be disabled. A disabled input element is unusable and un-clickable.

The disabled attribute can be set to keep a user from using the <input> element until some other condition has been met (like selecting a checkbox, etc.). Then, a JavaScript could remove the disabled value, and make the <input> element usable.

Reference: HTML <input> disabled Attribute

NEW QUESTION 16

You are developing an HTML5 page that includes several paragraph elements. You have the following requirements:

Add a drop shadow that is one inch below the text in the paragraph Set the radius of the drop shadow to five pixels

You need to style the paragraphs to meet the requirements. Which CSS style should you use?

- A. Text-shadow: 72pt 0pt 5pt
B. Text-shadow: 5px 1in 0px;
C. Text-shadow: 72pt 0em 5px;
D. Text-shadow: 100px 0px 5px;

Answer: B

Explanation:

We set the second argument (vertical) to one inch (1in). Note

Syntax

text-shadow: h-shadow v-shadow blur color;

Note: The text-shadow property attaches one or more shadows to text. The property is a comma-separated list of shadows, each specified by 2 or 3 length values and an optional color. Omitted lengths are 0.

* h-shadow

Required. The position of the horizontal shadow. Negative values are allowed

* v-shadow

Required. The position of the vertical shadow. Negative values are allowed

* blur

Optional. The blur distance

* color

Optional. The color of the shadow.

NEW QUESTION 19

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

A. <article>

B. <table>

C. <div>

D.

Answer: A

Explanation:

The <article> tag specifies independent, self-contained content.

An article should make sense on its own and it should be possible to distribute it independently from the rest of the site.

Potential sources for the <article> element: Forum post

Blog post News story Comment

NEW QUESTION 24

HOTSPOT

You are reviewing the CSS markup for an HTML5 page that displays a news article. The CSS markup for the page is as follows:

```
h4 {
    color: powderblue;
}
.headline {
    color: red;
}
article {
    color: black;
    font-style: normal;
}
aside h4 {
    font-style: italic !important;
    color: yellow;
}
article h4 {
    font-style: normal;
    color: sienna;
}
```

The HTML markup for the page is as follows:

```
<div>
  <h4>International News</h4>
  <article>
    <h4 class="headline">New Developments!</h4>
    <aside>
      <h4>Impact On Markets</h4>
    </aside>
  </article>
</div>
```

For each statement in the table, select Yes if the code segments above causes the page to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	The color of the International News header is red.
<input type="radio"/>	<input type="radio"/>	The color of the New Developments! header is black.
<input type="radio"/>	<input type="radio"/>	The color of the Impact On Markets header is yellow.
<input type="radio"/>	<input type="radio"/>	The text of the Impact On Markets header is italicized.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Yes	No	Description of Behavior
<input type="radio"/>	<input checked="" type="radio"/>	The color of the International News header is red.
<input type="radio"/>	<input checked="" type="radio"/>	The color of the New Developments! header is black.
<input type="radio"/>	<input checked="" type="radio"/>	The color of the Impact On Markets header is yellow.
<input checked="" type="radio"/>	<input type="radio"/>	The text of the Impact On Markets header is italicized.

NEW QUESTION 25

HOTSPOT

You review code that uses WebSockets for a browser-based multiplayer game. Each player sends a move to the server, which then sends the move to all connected game instances. The following code runs in the browser and handles the sending and receiving of moves:

```
var moveList = new Array();
var myMoves = {};

var server = new WebSocket('ws://gameserver.proseware.com/');
server.onmessage = function(message) {
    if (myMoves[message.data.id] == undefined)
        moveList.push(message.data);
};

server.onopen = function() {
    server.send(getUserName());
};

function sendMove() {
    var nextMove = getMove();
    myMoves[nextMove.id] = nextMove;
    server.send(nextMove);
}
```

For each statement in the table, select Yes if the code segment above causes the page to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	The moves are added to the moveList array in the order in which they were played.
<input type="radio"/>	<input type="radio"/>	The username is sent to the server before any moves are sent or received.
<input type="radio"/>	<input type="radio"/>	The player's own moves will be added to the moveList array.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Yes	No	Description of Behavior
<input checked="" type="radio"/>	<input type="radio"/>	The moves are added to the moveList array in the order in which they were played.
<input checked="" type="radio"/>	<input type="radio"/>	The username is sent to the server before any moves are sent or received.
<input type="radio"/>	<input checked="" type="radio"/>	The player's own moves will be added to the moveList array.

NEW QUESTION 30

You develop a webpage.

The webpage must display a grid that contains one row and five columns. Columns one, three, and five are the same width. Columns two and four are the same width, but much wider than columns one, three, and five. The grid resembles the following image:

--	--	--	--	--

The grid must meet the following requirements:

Each row must be tall enough to ensure that images are not cut off. Each row must contain five columns.

The width of the columns must not change when the screen is resized or rotated. You need to define the style for the grid. Which CSS3 style should you use?

- ☐ A.

```
<style type="text/css">
#grid {
  display: -ms-grid;
  -ms-grid-columns: 2fr (3fr 2fr) [2];
  -ms-grid-rows: auto;
}
</style>
```
- ☐ B.

```
<style type="text/css">
#grid {
  display: -ms-grid;
  -ms-grid-columns: 100px (250px 100px) [2];
  -ms-grid-rows: min-content;
}
</style>
```
- ☐ C.

```
<style type="text/css">
#grid {
  display: -ms-grid;
  -ms-grid-columns: 100px 250px 100px 250px 100px;
  -ms-grid-rows: auto;
}
</style>
```
- ☐ D.

```
<style type="text/css">
#grid {
  display: -ms-grid;
  -ms-grid-columns: 100px 250px 100px 250px 100px;
  -ms-grid-rows: min-content;
}
</style>
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

Explanation:

* -ms-grid-rows property auto

The height of a row is computed based on the tallest child element in that column. Incorrect:

Not A: The width of the columns must not change when the screen is resized or rotated.

Not B, Not D: -ms-grid-rows property min-content

The minimum height of any child elements is used as the height of the row.

Note:

* width

The width of each column specified as one of the following values:

A length consisting of an integer number, followed by an absolute units designator ("cm", "mm", "in", "pt", or "pc") or a relative units designator ("em", "ex", or "px").

A percentage of the object width.

A proportion of the remaining horizontal space (that is, the object width, less the combined widths of other tracks), consisting of an integer number followed by a fractional designator ("fr"). For example, if "200px 1fr 2fr" is specified, the first column is allocated 200 pixels, and the second and third columns are allocated 1/3 and 2/3 of the remaining width, respectively.

NEW QUESTION 34

You are implementing an application by using HTML5 and JavaScript. A web page contains the following HTML table.

```
<table id="dataTable">
  <tbody>
    <tr><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
    <tr><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
    <tr><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
  </tbody>
  <tfoot>
    <tr class="selected"><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
  </tfoot>
</table>
```

The application must:

Identify all rows in the table body that have a class attribute of selected Exclude the last selected row in the table

You need to implement the web page according to the requirements. Which CSS selector should you use?

- A. tr:not(tr:last-child).selected < #dataTable
- B. #dataTable > tr.selected:not(tr:last-child)
- C. #dataTable tbody tr.selected:not(tr:last-child)
- D. #dataTable tr.selected:not(tr:last-child)

Answer: C

Explanation:

* [attribute] [target]

Selects all elements with a target attribute

* :not(selector) not(p)

Selects every element that is not a <p> element Reference: CSS Selector Reference

NEW QUESTION 36

DRAG DROP

A company asks you to create a function that displays loan amounts to their customers. You must create the function by using JavaScript to meet the following requirements: Display three different loan amounts to each customer.

Display loan amounts in order starting with the greatest amount and ending with the least amount. You need to implement the function.

How should you complete the relevant code? (To answer, drag the appropriate command or commands to the correct location or locations in the answer area.)

	Answer Area
showSomeLoanAmount();	function showLoanAmounts() {
showAnotherLoanAmount();	<div></div>
var loanAmount = 400;	function showSomeLoanAmount() {
var loanAmount = 800;	<div></div>
var loanAmount = 1000;	function showAnotherLoanAmount() {
	<div></div>
	alert(loanAmount);
	}
	<div></div>
	alert(loanAmount);
	}
	showSomeLoanAmount();
	alert(loanAmount);
	}

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* The innermost assignment to the loanAmount variable should be the highest.

* Local variables have local scope: They can only be accessed within the function. Example

```
// code here can not use carName function myFunction() {  
var carName = "Volvo";  
// code here can use carName  
}
```

* A variable declared outside a function, becomes GLOBAL.

A global variable has global scope: All scripts and functions on a web page can access it.

Example

```
var carName = " Volvo";  
// code here can use carName function myFunction() {  
// code here can use carName  
}
```

* The alert() method displays an alert box with a specified message and an OK button.

An alert box is often used if you want to make sure information comes through to the user. Reference: JavaScript Scope

NEW QUESTION 40

DRAG DROP

You are developing an application for a retail store. The application will be used on mobile devices to provide real-time directions to the store.

You have the following requirements:

The application must find out a user's location.

As the user moves, the application must update the screen with the new location. As the user moves, the application must display the user's speed.

You need to develop the application to meet the requirements.

Which code segment or segments should you use? (To answer, drag the appropriate code segment or segments to the correct location in the work area)

A. Mastered

B. Not Mastered

Answer: A

Explanation:

* geolocation.watchPosition

watchPosition() - Returns the current position of the user and continues to return updated position as the user moves (like the GPS in a car).

* position data include:

/ coords.speed

The speed in meters per second

/ coords.accuracy (incorrect answer) The accuracy of position

Etc.

* The getCurrentPosition() (incorrect)

The getCurrentPosition() method returns an object if it is successful. The latitude, longitude and accuracy properties are always returned. The other properties below are returned if available. Reference: HTML5 Geolocation

NEW QUESTION 43

DRAG DROP

You develop an HTML application that calls a Simple Object Access Protocol (SOAP) web service to retrieve data.

You need to load data from the web service.

What should you do? (To answer, drag the appropriate code segment or code segments to the correct location or locations in the answer area)

A. Mastered

B. Not Mastered

Answer: A

Explanation:

* contentType

contentType is the type of data you're sending.

We have to send the content-type of application/soap+xml as this is the only type that the web service allow.

* type

We post a SOAP request.

* dataType:

dataType is what you're expecting back from the server: json, html, text, xml, etc. jQuery will use this to figure out how to populate the success function's parameter.

NEW QUESTION 47

HOTSPOT

You review a web form that contains the following markup and code:


```
<!DOCTYPE html>
<html>
  <head>
    <script type="text/javascript">
      function check1(currentTextBox) {
        if (currentTextBox.value === null || currentTextBox.value === '')
          currentTextBox.style.background = '#ffffac';
        else
          currentTextBox.style.background = '#ffffff';
      }
      function check2() {
        var obj = document.getElementsByTagName('input');
        for (var i = 0; i < (obj.length - 1); i++) {
          obj[i].style.background = '#ffffac';
        }
      }
    </script>
  </head>
  <body>
    <input type="text" id="text1" onfocus="check1(this)" onblur="check1(this)">
    <input type="text" id="text2" onfocus="check1(this)" onblur="check1(this)">
    <input type="button" value="next" onclick="check2()">
  </body>
</html>
```

You need to ascertain how the webpage responds when it loads and how it reacts to user actions. For each statement in the table, select Yes if the code segment above causes the page to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of behavior
<input type="radio"/>	<input type="radio"/>	Both text boxes are displayed with a yellow background when the page loads.
<input type="radio"/>	<input type="radio"/>	The background color of both text boxes changes to yellow each time the text boxes receive the focus.
<input type="radio"/>	<input type="radio"/>	If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Yes	No	Description of behavior
<input type="radio"/>	<input checked="" type="radio"/>	Both text boxes are displayed with a yellow background when the page loads.
<input type="radio"/>	<input checked="" type="radio"/>	The background color of both text boxes changes to yellow each time the text boxes receive the focus.
<input checked="" type="radio"/>	<input type="radio"/>	If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.

NEW QUESTION 49

You are developing an HTML5 web application for an architectural company that displays architectural blueprints. The application must:
 Display the blueprints at different zoom levels without loss of detail
 Print the blueprints without loss of detail
 Work from only one source file per blueprint
 You need to ensure that blueprints display according to the requirements. Which HTML5 element should you use?

- A. CANVAS
- B. SAMP
- C. SVG
- D. AREA

Answer: C

Explanation:

* SVG stands for Scalable Vector Graphics SVG is used to define graphics for the Web SVG is a W3C recommendation

* The HTML <svg> element (introduced in HTML5) is a container for SVG graphics. SVG has several methods for drawing paths, boxes, circles, text, and graphic images.

Reference: HTML5 SVG

NEW QUESTION 50

You develop an HTML5 application that allows users to upload files from their local computers. The user interface must remain responsive during the upload.

You need to implement the file upload functionality for the application.

Which two actions should you perform? (Each correct answer presents a complete solution. Choose two.)

A. Use an HTML form with a file type INPUT element that targets a hidden IFRAME element.

B. Use a file type INPUT element, and then use the Web Storage API to upload the file.

C. Use a FormData object and upload the file by using XMLHttpRequest.

D. Register the file protocol by using protocol handler registration API and then upload the file by using XMLHttpRequest.

E. Use the FileSystem API to load the file, and then use the jQuery post method to upload the file to the server.

Answer: BD

Explanation:

B: Example (notice the web storage api upload.aspx):

```
<!DOCTYPE html>
<html>
<head>
<title>Upload Files using XMLHttpRequest - Minimal</title>
</head>
<body>
<form id="form1" enctype="multipart/form-data" method="post" action="Upload.aspx">
<div class="row">
<label for="fileToUpload">Select a File to Upload</label><br />
<input type="file" name="fileToUpload" id="fileToUpload" onchange="fileSelected();" />
</div>
<div id="fileName"></div>
<div id="fileSize"></div>
<div id="fileType"></div>
<div class="row">
<input type="button" onclick="uploadFile()" value="Upload" />
</div>
<div id="progressNumber"></div>
</form>
</body>
</html>
```

D:

* Because we're using XMLHttpRequest, the uploading is happening in the background. The page the user is on remains intact. Which is a nice feature to have if your business process can work with it.

* The XMLHttpRequest object has gotten a facelift in the Html5 specifications. Specifically the XMLHttpRequest Level 2 specification (currently the latest version) that has included the following new features:

Handling of byte streams such as File, Blob and FormData objects for uploading and downloading Progress events during uploading and downloading

Cross-origin requests

Allow making anonymous request - that is not send HTTP Referer The ability to set a Timeout for the Request

NEW QUESTION 53

HOTSPOT

You develop a webpage.

The layout of the webpage must resemble the following image:



You need to ensure that the page renders properly.

How should you complete the relevant CSS styles? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
<!DOCTYPE html>
<head>
  <style>

    #span1 {  ; color: red;}

    #span2 {  ; top: 200px;

      left: -100px; height: 130px; width: 130px;
      color: green;}
  </style>
</head>
<body>
  <p>Start of main contents.
    <span id=span1> Start of span1 contents.
    <span id=span2> Span2 contents.</span>
    End of span1 contents.</span>
    End of main contents.
  </p>
</body>
</html>
```

```
<!DOCTYPE html>
<head>
  <style>

    #span1 {  ; color: red;}
              

z-index: 1
                float: left
                position: relative
                position: absolute



    #span2 {  ; top: 200px;
              

z-index: 2
                float: right
                position: relative
                position: absolute



      left: -100px; height: 130px; width: 130px;
      color: green;}
  </style>
</head>
<body>
  <p>Start of main contents.
    <span id=span1> Start of span1 contents.
    <span id=span2> Span2 contents.</span>
    End of span1 contents.</span>
    End of main contents.
  </p>
</body>
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* position: relative

The element is positioned relative to its normal position, so "left:20" adds 20 pixels to the element's LEFT position

* position: absolute

The element is positioned relative to its first positioned (not static) ancestor element Reference: CSS position Property

NEW QUESTION 57

You develop a web application by using jQuery. You develop the following jQuery code: (Line numbers are included for reference only.)

```
01 <script>
02     $(document).ready(function () {
03         $('#submit').click(function () {
04             $.ajax({
05
06                 data: $('#myForm').serialize(),
07                 success: function (result) {
08                     $('#result').text(result.message);
09                 }
10             });
11         });
12     });
13 </script>
```

The web application exposes a RESTful web API that has an endpoint of /product/create.

You need to create a new product by using AJAX. Which code segment should you insert at line 05?

- ☐ A. `type: "POST",`
`dataType: "xml",`
`contentType: "application/x-www-form-urlencoded; charset=UTF-8",`
`url: "/product/create",`
- ☐ B. `type: "GET",`
`dataType: "xml",`
`contentType: "application/x-www-form-urlencoded; charset=UTF-8",`
`url: "/product/create",`
- ☐ C. `type: "POST",`
`dataType: "json",`
`contentType: "application/json",`
`url: "/product/create/post",`
- ☐ D. `type: "POST",`
`dataType: "json",`
`url: "/product/create",`

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

Explanation:

* url: /product/create This is the endproduct.

* datatype:

The type of data that you're expecting back from the server.

* contentType (default: 'application/x-www-form-urlencoded; charset=UTF-8') Reference: jQuery.ajax()

NEW QUESTION 60

You develop a webpage by using HTML5. You create the following markup and code: (Line numbers are included for reference only.)

```
01 <head>
02     <script>
03         function removeInvalid(input) {
04
05         }
06     </script>
07 </head>
08 <body>
09     Given Name: <input type="text" id="GivenName" onblur="removeInvalid(this);" />
10     Surname: <input type="text" id="Surname" onblur="removeInvalid(this);" />
11 </body>
```

You need to ensure that the values that users enter are only numbers, letters, and underscores, regardless of the order.

Which code segment should you insert at line 04?

- ☐ A.

```
if (!/^[A-Za-z0-9_]+$/.test(input.value))
    input.value = "Invalid";
```
- ☐ B.

```
if (!/^[^A-Za-z0-9_]/.test(input.value))
    input.value = "Invalid";
```
- ☐ C.

```
var regEx = new RegExp("^\\w");
if (!input.value.match(regEx))
    input.value = "Invalid";
```
- ☐ D.

```
var regEx = "[\\w\\d]";
if (!input.value.match(regEx))
    input.value = "Invalid";
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

Explanation:

Example:

Sometimes situations arise when user should fill a single or more than one fields with alphabet characters (A-Z or a-z) in a HTML form. You can write a JavaScript form validation script to check whether the required field(s) in the HTML form contains only letters. –

Javascript function to check for all letters in a field view plainprint?

function allLetter(inputtxt)

```
{
var letters = /^[A-Za-z]+$/.test(inputtxt.value);
if(inputtxt.value.match(letters))
{
return true;
}
else
{
alert("message"); return false;
}
}
```

To get a string contains only letters (both uppercase or lowercase) we use a regular expression (/^[A-Za-z]+\$/) which allows only letters. Next the match() method of string object is used to match the said regular expression against the input value.

Reference: JavaScript : HTML Form validation - checking for all letters

NEW QUESTION 64

DRAG DROP

You are implementing a web worker by using JavaScript and HTML5. The web worker processes a long-running loop and returns the result to a webpage.

The web worker is defined on the webpage as follows:

```
var myWorker = new Worker('task.js');
myWorker.postMessage({
    message: 'go',
    iterations: 1000000000
});
```

You have the following requirements:

Evaluate the message value in the web worker.

Process the loop based on the iterations value that is passed from the webpage. Return a value back to the webpage from the web worker.

You need to implement the web worker.

How should you complete the relevant code? (To answer, drag the appropriate code segment to the correct location or locations in the answer area)

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Note:

* The event object for a message event supports the following additional properties: the data property contains the message, the origin property retrieves the scheme, hostname and port of the document that invoked the postMessage method, the source property refers to the window object that contains the document that invoked the postMessage method, the lastEventId property returns the identifier of the last message.

NEW QUESTION 69

HOTSPOT

```
<!DOCTYPE html>
<html>
  <head>
    <style type="text/css">
      .container {
        display: -ms-grid;
        -ms-grid-columns: 1fr 1fr 1fr;
        -ms-grid-rows: 1fr 1fr 1fr;
      }
      .blueBox {
        -ms-grid-row: 2;
        -ms-grid-column: 2;
        -ms-wrap-flow: auto;
        float:none;
        background-color: blue;
      }
      .text {
        -ms-grid-row: 1;
        -ms-grid-column: 1;
        -ms-grid-column-span: 3;
        -ms-grid-row-span: 3;
      }
    </style>
  </head>
  <body>
    <div class="body">
      <div name="container" class="container">
```

How does the page render? For each statement in the table, select Yes if the behavior is described.

Select No if it is not. Make only one selection in each column.

Yes	No	
<input type="radio"/>	<input type="radio"/>	Content in the DIV element named content flows around all sides of the DIV element named blueBox .
<input type="radio"/>	<input type="radio"/>	The DIV element named blueBox will always be displayed at row 2, column 2 of the grid.
<input type="radio"/>	<input type="radio"/>	Content in the DIV element named content will fill all cells in the grid.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Yes	No	
<input type="radio"/>	<input checked="" type="radio"/>	Content in the DIV element named content flows around all sides of the DIV element named blueBox .
<input checked="" type="radio"/>	<input type="radio"/>	The DIV element named blueBox will always be displayed at row 2, column 2 of the grid.
<input checked="" type="radio"/>	<input type="radio"/>	Content in the DIV element named content will fill all cells in the grid.

NEW QUESTION 73

You develop an HTML5 webpage that contains the following HTML markup:

```
<label for="loanTypes">Loan Types</label>
<select name="loanTypes" id="loanTypes" multiple="multiple">
  <option>Secured</option>
  <option selected="selected">Unsecured</option>
  <option>Demand</option>
  <option selected="selected">Subsidized</option>
</select>
```

You have the following requirements:

Retrieve the content for any OPTION elements when the value of the selected attribute equals selected.

Add the content to a comma separated string. You need to retrieve the required data.

Which two code segments should you add to the webpage? (Each correct answer presents a complete solution. Choose two.)

- ☐ A.

```
$("#select option:checked").each(function () {
    selectedValues += $(loanTypes).text() + ',';
});
```
- ☐ B.

```
$("#select option:selected").each(function () {
    selectedValues += $(loanTypes).text() + ',';
});
```
- ☐ C.

```
$("#select option:selected").each(function () {
    selectedValues += $(this).text() + ',';
});
```
- ☐ D.

```
$("#loanTypes option:selected").each(function () {
    selectedValues += $(this).text() + ',';
});
```
- ☐ E.

```
$("#loanTypes option:checked").each(function () {
    selectedValues += $(loanTypes).text() + ',';
});
```

- A. Option A
B. Option B
C. Option C
D. Option D
E. Option E

Answer: BD

Explanation:

Note:

* select option:selected

:selected Selector

Description: Selects all elements that are selected.

NEW QUESTION 75

DRAG DROP

You are creating a function by using JavaScript. You have the following requirements:

The function must display loan amounts to the user within the following HTML element:

```
<div id="display"></div>
```

The loan amount of 2100 must display in the HTML element.

All declared variables and functions must be scoped to the myApp variable. You need to implement the function.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Use only code segments that apply.)

this.loanAmount += 1000;

this.loanAmount = 100;

loanAmount = 100;

loanAmount += 1000;

myApp.loanAmount

loanAmount

Answer Area

```

var myApp = {};
(function () {

    this.display = function (value) {
        document.getElementById('display').innerHTML += value;
    };
    this.increaseLoanAmount = function () {

        return;
    };
    this.increaseLoanAmountAgain = function () {

        return;
    };
}).apply(myApp);
myApp.increaseLoanAmount();
myApp.increaseLoanAmountAgain();

myApp.display(

```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

```

var myApp = {};
(function () {

    this.loanAmount = 100;

    this.display = function (value) {
        document.getElementById('display').innerHTML += value;
    };
    this.increaseLoanAmount = function () {

        this.loanAmount += 1000;

        return;
    };
    this.increaseLoanAmountAgain = function () {

        this.loanAmount += 1000;

        return;
    };
}).apply(myApp);
myApp.increaseLoanAmount();
myApp.increaseLoanAmountAgain();

myApp.display(myApp.loanAmount);

```

NEW QUESTION 80

You are developing a web page that includes the following HTML.

 Hello There! The font color of text inside the span must be red.

You need to develop the web page to meet the requirement.

Which two CSS segments will achieve the goal? (Each correct answer presents a complete solution. Choose two.)

☐ A. `.redText`

```
{  
  color: red;  
}
```

☐ B. `.myTextSpan`

```
{  
  color: red;  
}
```

☐ C. `span#myTextSpan`

```
{  
  color: red;  
}
```

☐ D. `#redText`

```
{  
  color: red;  
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: AC

Explanation:

You can refer to class, by `.redText`, or the span, by `span#myTextSpan`.

NEW QUESTION 81

You develop an HTML application that is located at www.adventure-works.com. The application must load JSON data from www.fabrikam.com. You need to choose an approach for loading the data. What should you do?

- A. Design a REST URI scheme with multiple domains.
- B. Configure Cross-Origin Resource Sharing (CORS) on the servers.
- C. Load the data by using WebSockets.
- D. Use the jQuery `getJSON` method.

Answer: B

Explanation:

* Cross-origin resource sharing (CORS) is a mechanism that allows Javascript on a web page to make XMLHttpRequests to another domain, not the domain the Javascript originated from. Such "cross- domain" requests would otherwise be forbidden by web browsers, per the same origin security policy. CORS defines a way in which the browser and the server can interact to determine whether or not to allow the cross-origin request.[2] It is more powerful than only allowing same-origin requests, but it is more secure than simply allowing all such cross-origin requests.

* You must use Cross Origin Resource Sharing

It's not as complicated as it sounds...simply set your request headers appropriately...in Python it would look like:

```
self.response.headers.add_header('Access-Control-Allow-Origin', '*'); self.response.headers.add_header('Access-Control-Allow-Methods', 'GET, POST, OPTIONS'); self.response.headers.add_header('Access-Control-Allow-Headers', 'X-Requested-With'); self.response.headers.add_header('Access-Control-Max-Age', '86400');
```

NEW QUESTION 84

You develop a webpage with a standard input control by using HTML5.

The input control must display the text Enter your given name, as shown below:

Enter your given name

When a user selects the input control, the text must disappear. You need to create the input control. Which input control should you use?

- A. `<input name="GivenName" value=" Enter your given name" />`
- B. `<input name ="GivenName" default=" Enter your given name" />`
- C. `<input name="GivenName" text=" Enter your given name" />`
- D. `<input name="GivenName" placeholder=" Enter your given name" />`

Answer: D

Explanation:

The placeholder attribute specifies a short hint that describes the expected value of an input field

(e.g. a sample value or a short description of the expected format).
The short hint is displayed in the input field before the user enters a value.
The placeholder attribute works with the following input types: text, search, url, tel, email, and password.
Reference: HTML <input> placeholder Attribute

NEW QUESTION 89

You develop an HTML5 webpage. You have the following HTML markup:

```
<section id="news">
  <h1>World News</h1>
  <article id="news1">...</article>
  <article id="news2">...</article>
  <article id="news3">...</article>
</section>
<section id="sports">
  <h1>Sports</h1>
  <article id="sports1">...</article>
  <article id="sports2">...</article>
  <article id="sports3">...</article>
</section>
```

You need to add a background color to the first article in each section. Which code segment should you add to the webpage?

- A. \$ ("section article:first-child").css("background-color", "#f2f2f2");
- B. \$ ("section:first-child").css ("background-color", "#f2f2f2");
- C. \$ ("article:first-of-type") .css("background-color", "#f2f2f2");
- D. \$ ("section:first-of-type").css("background-color", "#f2f2f2");

Answer: C

Explanation:

The :first-of-type selector matches every element that is the first child, of a particular type, of its parent.
Reference: CSS3 :first-of-type Selector

NEW QUESTION 92

DRAG DROP

You are developing a web page that includes the following HTML.

```
<input name="ITSupport" type="checkbox" value="IT" id="choc"
  onclick="enable();" /><label for="IT">IT Support</label>
<input type="email" placeholder="IT@Contoso.com" id="eMail"
  name="eMail" disabled /><label for="eMail" >Your eMail </label>
```

You need to ensure that the email element is enabled only if the user selects the IT Support check box.
Which CSS selectors should you use? (To answer, drag the appropriate selector to the correct location. Each selector may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

enabled

disabled

hidden

true

false

set

```
input: [ ] {
  background-color: #e0e0e0;
}

<script type="text/javascript">
  function enable(e) {
    if (document.getElementById) {
      if (document.getElementById('IT').checked) {
        document.getElementById('eMail'). [ ] = [ ] ;

      } else {
        document.getElementById('eMail'). [ ] = [ ] ;

      }
    }
  }
</script>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The disabled property sets or returns whether an email field should be disabled, or not.

A disabled element is unusable and un-clickable. Disabled elements are usually rendered in gray by default in browsers.

Example

Disable an email field: `document.getElementById("myEmail").disabled = true;` Reference: Input Email disabled Property

NEW QUESTION 93

You develop an HTML5 application. The application uses an image that is returned from an HTTP POST request.

You develop the following code: (Line numbers are included for reference only.)

```
01 var xhr = new XMLHttpRequest();
02 xhr.open('POST', '/Images/heroAccent.png', true);
03 var img = document.createElement('img');
04
05 xhr.send();
```

You need to display the loaded image in the application. Which code segment should you insert at line 04?

☐ A.

```
xhr.responseType = 'blob';
xhr.onload = function (e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.responseText);
        document.body.appendChild(img);
    }
};
```

☐ B.

```
xhr.responseType = 'blob';
xhr.onload = function(e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.response);
        document.body.appendChild(img);
    }
};
```

☐ C.

```
xhr.responseType = 'document';
xhr.onload = function (e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.responseText);
        document.body.appendChild(img);
    }
};
```

☐ D.

```
xhr.responseType = 'document';
xhr.onload = function (e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.response);
        document.body.appendChild(img);
    }
};
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

Explanation:

As an image will be returned the response type must be blob, not document. Similarly, `this.response` must be used not `this.responseText`.

Reference: `createObjectURL` method

NEW QUESTION 94

You develop an HTML5 webpage that contains the following HTML markup:

```
<input id="loanTermTextBox" type="text" />
```

Users must enter a valid integer value into the text box.

You need to validate the data type that is received from the input element.

Which two code segments should you include on the webpage? (Each correct answer presents a complete solution. Choose two.)

- ☐ A.

```
function validateForm() {
    var loanTermInput = document.getElementById("loanTermTextBox");
    var loanTerm = parseInt(loanTermInput.value, 10);
    if (isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
        alert("Loan Term must be an integer");
        return false;
    }
    return true;
};
```
- ☐ B.

```
var validateForm = function () {
    var loanTermInput = document.getElementById("loanTermTextBox");
    var loanTerm = parseInt(loanTermInput.value, 10);
    if (isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
        alert("Loan Term must be an integer");
        return false;
    }
    return true;
};
```
- ☐ C.

```
var validateForm = function () {
    var loanTermInput = document.getElementsByName("loanTermTextBox");
    var loanTerm = parseFloat(loanTermInput.value);
    if (!isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
        alert("Loan Term must be an integer");
        return false;
    }
    return true;
};
```
- ☐ D.

```
var validateForm = function () {
    var loanTermInput = document.getElementById("loanTermTextBox");
    var loanTerm = parseInt(loanTermInput.text);
    if (isNaN(loanTermInput)) {
        alert("Loan Term must be an integer");
        return false;
    }
};
```
- ☐ E.

```
var validateForm = function () {
    var loanTermInput = document.getElementsByName("loanTermTextBox");
    var loanTerm = JSON.parse(loanTermInput);
    if (!isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
        alert("Loan Term must be an integer");
        return false;
    }
    return true;
};
```

- A. Option A
B. Option B
C. Option D
D. Option E

Answer: AB

Explanation:

* parseInt

The parseInt() function parses a string and returns an integer. Syntax: parseInt(string,radix)

string Required. The string to be parsed

radix Optional. A number (from 2 to 36) that represents the numeral system to be used.

* The isNaN() function determines whether a value is an illegal number (Not-a-Number). This function returns true if the value is NaN, and false if not.

Reference: JavaScript parseInt() Function; JavaScript isNaN() Function

NEW QUESTION 98

You develop an HTML5 application for a company. Employees must enter a personal identification number (PIN) in an INPUT element named SecurityCode to access their employee records.

The SecurityCode element must meet the following requirements: Allow up to 6 digits.

Do not display numbers as they are entered.

Display the text Enter PIN Code before the user enters any data. You need to implement the SecurityCode element.

Which HTML markup should you add to the application?

- ☐ A.

```
<input name="SecurityCode"
      type="text"
      maxlength="6"
      title="Enter PIN Code"
      pattern="*****"
/>
```
- ☐ B.

```
<input
      name="SecurityCode"
      type="text"
      maxlength="6"
      title="Enter PIN Code"
      pattern="*****"
/>
```
- ☐ C.

```
<input
      name="SecurityCode"
      type="password"
      size="6"
      placeholder="Enter PIN Code"
      pattern="*****"
/>
```
- ☐ D.

```
<input name="SecurityCode"
      type="password"
      maxlength="6"
      placeholder="Enter PIN Code"
/>
```
- ☐ E.

```
<input name="SecurityCode"
      type="password"
      maxlength="6"
      value="Enter PIN Code"
/>
```

- A. Option A
B. Option B
C. Option C
D. Option E

Answer: D

Explanation:

* Input Type: password

<input type="password"> defines a password field.

The characters in a password field are masked (shown as asterisks or circles).

* The placeholder attribute specifies a short hint that describes the expected value of an input field

a. g. a sample value or a short description of the expected format).

The short hint is displayed in the input field before the user enters a value.

The placeholder attribute works with the following input types: text, search, url, tel, email, and password.

Reference: HTML Input Types ; HTML <input> placeholder Attribute

NEW QUESTION 102

You develop an HTML5 webpage. You have the following JavaScript code:

```
01 $(document).ready(function () {
02
03     e.preventDefault();
04     ...
05 });
06 };
```

You need to handle the click event when a user clicks the showDialog button. Which code segment should you insert at line 02?

- A. `$(document).trigger("click", "#showDialog", function (e) {`
- B. `$(document).on("#showDialog", "click", function (e) {`
- C. `$(document).toggle("click", "#showDialog", function (e) {`
- D. `$(document).on("click", "#showDialog", function (e) {`

Answer: D

Explanation:

Syntax: `.on(events [, selector] [, data], handler)`

* Example:

`$(function() {`

`$(document).on('click', '.get-widgets', function (e) {` Reference: `jQuery .on()`

NEW QUESTION 107

You are developing an application that processes order information. Thousands of orders are processed daily. The application includes the following code segment. (Line numbers are included for reference only.)

```
01 var counter = 0;
02 while (process()) {
03     counter++;
04
05     updateStatus();
06 }
```

The application must:

Display the number of orders processed and the number of orders remaining Update the display for every 25th record processed

You need to develop the application to meet these requirements. Which line of code should you insert at line 04?

- A. `if (!(counter % 25))`
- B. `if (counter == 25)`
- C. `if (counter >> 25 == 0)`
- D. `if (counter << 25 == 0)`

Answer: A

Explanation:

%

(Modulus) Computes the integer remainder of dividing 2 numbers. Incorrect:

>> (Sign-propagating right shift) Shifts the first operand in binary representation the number of bits to the right specified in the second operand, discarding bits shifted off.

<< (Left shift) Shifts its first operand in binary representation the number of bits to the left specified in the second operand, shifting in zeros from the right.

Reference: JavaScript Operators

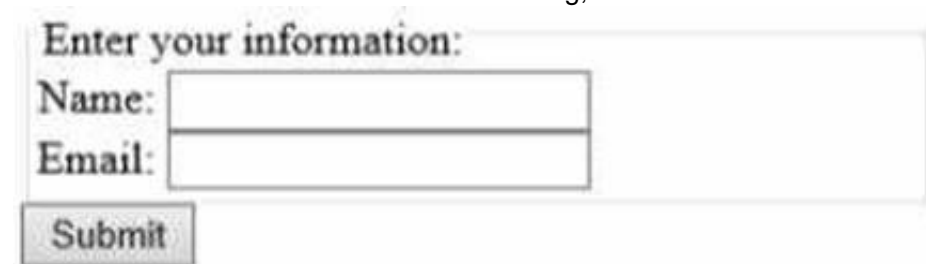
NEW QUESTION 110

You develop a webpage by using HTML5.

The user interface of the webpage must show a gray-lined box that contains the label Enter your information:. Inside the box are two labels and two input boxes.

The first input box must be labeled Name:. The second input box must be labeled Email:. Below the box is a Submit button.

The user interface must look like the following;



You need to create the user interface.

Which markup should you use?

- ☐ A.

```
<table border="1">
  <tr>
    <td>Enter your information:<br />
      Name: <input type="text" /><br />
      Email: <input type="email" /><br />
    </td>
  </tr>
</table>
<button value="submit">Submit</button>
```
- ☐ B.

```
<fieldset>
  <legend>Enter your information:</legend>
  Name: <input type="text" /><br />
  Email: <input type="email" /><br />
</fieldset>
<button value="submit">Submit</button>
```
- ☐ C.

```
<details>
  <label>Enter your information:</label>
  Name: <input type="text" /><br />
  Email: <input type="email" /><br />
</details>
<button value="submit">Submit</button>
```
- ☐ D.

```
<section>
  <label>Enter your information:</label>
  Name: <input type="text" /><br />
  Email: <input type="email" /><br />
</section>
<button value="submit">Submit</button>
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

Explanation:

* The <fieldset> tag is used to group related elements in a form.

The <fieldset> tag draws a box around the related elements. The <legend> tag defines a caption for the <fieldset> element. Example:

Group related elements in a form:

```
<form>
```

```
<fieldset>
```

```
<legend>Personalia:</legend> Name: <input type="text"><br> Email: <input type="text"><br> Date of birth: <input type="text">
```

```
</fieldset>
```

```
</form>
```

Reference: HTML <fieldset> Tag; HTML <legend> Tag

NEW QUESTION 113

HOTSPOT

You are validating user input by using JavaScript and regular expressions. A group of pre-defined regular expressions validate two input fields:

You need to use the correct expression to validate the input.

Which expression should you insert into each function? To answer, select the appropriate options from the drop-down lists in the answer area.

Answer Area

```
function validateID(userinput) {
```

```
var IDPattern =
```

```
/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;  
/^0-9]{3}\-?[0-9]{2}\-?[0-9]{4}$/;  
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;  
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;  
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;
```

```
return IDPattern.test ( userinput ) ;
```

```
}
```

```
function validateEmail ( userinput) {
```

```
var emailPattern =
```

```
/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;  
/^0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;  
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;  
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;  
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;
```

```
return emailPattern.test (userinput) ;
```

```
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
function validateID(userinput) {
```

```
var IDPattern =
```

```
/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;  
/^0-9]{3}\-?[0-9]{2}\-?[0-9]{4}$/;  
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;  
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;  
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;
```

```
return IDPattern.test ( userinput ) ;
```

```
}
```

```
function validateEmail ( userinput) {
```

```
var emailPattern =
```

```
/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;  
/^0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;  
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;  
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;  
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;
```

```
return emailPattern.test (userinput) ;
```

```
}
```

NEW QUESTION 117

HOTSPOT

You have the following markup.

```
<form id= "formLogin">
  <input type= "text" id= "fieldLoginName" />
  <input type= "password" id= "fieldPassword" value= "MySecretPassword" />
  <input type= "submit" onclick "Validation ();" />
</form>
<script>
  $(document).ready (function ( ) {
    var fldPassword = document.getElementById("fieldPassword") ;
    fldPassword.value = "MyNewSecretPassword" ;
    alert(fldPassword.value) ;
  });
</script>
```

For each of the following statements, select yes if the statement is true. Otherwise, select No.

Answer Area

Statements	Yes	No
A default value is set for the fieldPassword field.	<input type="radio"/>	<input type="radio"/>
As a user types in the fieldPassword field, the typed characters will be masked.	<input type="radio"/>	<input type="radio"/>
When the page loads, an alert will be displayed that shows the current value of the fieldPassword field as MyNewSecretPassword.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
A default value is set for the fieldPassword field.	<input checked="" type="radio"/>	<input type="radio"/>
As a user types in the fieldPassword field, the typed characters will be masked.	<input checked="" type="radio"/>	<input type="radio"/>
When the page loads, an alert will be displayed that shows the current value of the fieldPassword field as MyNewSecretPassword.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 118

You need to parse an XML formatted string. Which object should you use?

- A. Map
- B. DataView
- C. DOMParser

D. JSON

Answer: C

NEW QUESTION 119

Which CSS3 code fragment uses a pseudo-element?

- A. p : first-letter {font-weight: bold;}
- B. div>p {font-weight: bold;}
- C. first-letter {font-weight: bold;}
- D. div+p {font-weight: bold;}

Answer: A

Explanation:

References:

<http://www.html5code.nl/css3-tutorials/css3-tutorial-css3-selectors/>

NEW QUESTION 123

Which CSS3 code fragment will style only the external links in an HTML document?

- A. a: visited {font-weight: bold;}
- B. a [href\$= "http://"] {font-weight: bold;}
- C. a {font-weight: bold;}
- D. a [href^= "http://"] {font-weight : bold;}

Answer: D

NEW QUESTION 126

You are developing a website that helps users locate restaurants in their area from a browser. You created a function named findRestaurants(). The function must:

- Get the current latitude and longitude of the user's device
- Pass the user's location to findRestaurants()

You must ensure that the application accesses the geolocation information from the device before searching for restaurants.

Which code segment should you use?

A. navigator. geolocation. getCurrentPosition (GetRestaurants);

```
function GetRestaurants {  
    restaurants = findRestaurants (navigator.geolocation. getCurrentPosition());  
    ...  
}
```

B. navigator. geolocation. getCurrentPosition (hasPosition, noPosition);

```
function hasPosition (position) {  
    restaurants = findRestaurants (position.coords.latitude, position. coords.longitude);  
    ...  
}  
function noPosition() {  
    ...  
}
```

C. navigator. geolocation. getCurrentPosition (GetRestaurants);

```
function GetRestaurants {  
    restaurants = findRestaurants (navigator.geolocation. getLatitude (),  
navigator.geolocation.getLongitude () );  
    ...  
}
```

D. navigator. geolocation. getBrowserPosition (hasPosition);

```
function hasPosistion (position) {  
    restaurants = findRestaurants (position.coords.latitude, position.coords.longitude);  
    ...  
}
```


- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

Explanation:

References:

<https://developer.mozilla.org/en-US/docs/Web/API/Geolocation/getCurrentPosition>

NEW QUESTION 128

You are developing a web application in HTML. You have the following HTML code.

```
<div id="footer"></div>
```

You need to ensure that the div footer contains the text "All rights reserved". Which line of code should you use?

- A. document("footer") = "All rights reserved";
- B. document("footer").innerHTML = "All rights reserved";
- C. \$(".footer").value = "All rights reserved";
- D. \$("#footer").html("All rights reserved");

Answer: B

Explanation:

https://www.codecademy.com/en/forum_questions/557ea03cd3292f72d10006bf

NEW QUESTION 129

You are creating a custom object as described by the following code. Line numbers are included for reference only.

```
01  function square(side) {  
02      this.side = side;  
03      this.perimeter = perimeter;  
04  }  
05
```

You need to implement the perimeter method. Which code segment should you insert at line 05?

- A. function perimeter () {return 4 * side;}
- B. function perimeter () {return 4 * this.side;}
- C. function perimeter () {return 4 * me.side;}
- D. function perimeter (obj) {return 4 * obj.side;}

Answer: B

Explanation:

<http://creative-coding.decontextualize.com/objects-with-methods/>

NEW QUESTION 131

DRAG DROP

You develop code in JavaScript. The code calls a functions named fn1. Sometimes, fn1 throws a RangeError on a SyntaxError error.

You need to create code to meet the following requirements: Catch the error.

Call the catchRangeError function if RangeError is thrown. Call the catchSyntaxError function if SyntaxError is thrown.

Develop the solution by selecting and arranging the required code blocks in the correct order. You may not need all of the code blocks.

Code blocks

```
try {  
  
} catch (error) {  
  
}  
  
fn1();  
  
if (error.name === 'RangeError') {  
  
catchSyntaxError();}  
  
else if (error.name === 'SyntaxError') {  
  
catchRangeError();}
```

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
try { fnl();  
} catch(error) {  
if (error.name === 'RangeError') { catchRangeError();}  
else if (error.name === 'SyntaxError') { catchSyntaxErrorr();}  
}
```

NEW QUESTION 136

You have the following markup.

```
<div style="display:flex;height:300px;background-color:red">  
  <div style="height:100px;background-color:yellow">  
    Yellow div text  
  </div>  
</div>
```

You need to ensure that the yellow div is centered in the red div. What should you do?

- A. Add the following code to the red di
- B. align-content:center
- C. Add the following code to the red div.Margin:auto
- D. Add the following code to the Yellow di
- E. align-content:center
- F. Add the following code to the Yellow div Margin:auto

Answer: C

NEW QUESTION 141

A web application has a web page that contains an HTML5 CANVAS element. A web extracts messages from the CANVAS element. You need to ensure that the web worker can read the message sent by the web page.

Which three object types can you use?

- A. JavaScript
- B. DOM
- C. parent
- D. Window
- E. string
- F. JSON

Answer: AEF

Explanation:

References: <https://www.html5rocks.com/en/tutorials/workers/basics/>

NEW QUESTION 146

You develop an HTML5 webpage. You have the following HTML markup:

```
Message: <input type="text" id="message" /><br />  
<input type="button" id="postMessage" value="post" onclick="postMessage();" />
```

You also have the following JavaScript code:

```
var socket = new WebSocket("ws://myserver");
```

You need to post messages by using the HTML5 WebSocket API. Which code segment should you use?

- A. socket.onmessage(\$("#message").val());
- B. socket.send(\$("#message").val());
- C. var msg = (\$("#message").val());\$.post(socket, function (msg) { ... });
- D. var msg = (\$("#message").val());\$.post(socket.onmessage, function (msg) { ... });

Answer: B

Explanation:

References: https://www.tutorialspoint.com/html5/html5_websocket.htm

NEW QUESTION 147

HOTSPOT

You are developing an application in HTML5. You have the following HTML markup.

```
<div id="div1">
  <div id="div2">
    <div id="div3" onclick="Validate1()">
      <label id="userNameLabel" for="userName">User Name:</label>
      <input type="text" id="userName" onclick="Validate2()" />
    </div>
  </div>
</div>
```

You have the following JavaScript code.

```
$("#userName").click(function (event) {
  event.stopPropagation();
});
```

Use the drop-down lists to select the answer choice that completes each statement.

[answer choice] will be called when the user clicks the userName text box.

	▼
event.stopPropagation	
Validate1	
Validate2	

[answer choice] will be called when the user clicks the userNameLabel label.

	▼
event.stopPropagation	
Validate1	
Validate2	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

[answer choice] will be called when the user clicks the userName text box.

	▼
event.stopPropagation	
Validate1	
Validate2	

[answer choice] will be called when the user clicks the userNameLabel label.

	▼
event.stopPropagation	
Validate1	
Validate2	

NEW QUESTION 150

DRAG DROP

You have a function named getContent that returns a string. Sometimes, the function throws an exception.

You need to develop a method named writeContent. writeContent must generate an HTML page that contains the following:
the text "Welcome"

the content returned by the getContent method or the exception message of an exception thrown by the getContent method

the text "Bye"

In which order should you arrange the code blocks to develop the solution? To answer, move all code blocks from the list of code blocks to the answer area and arrange them in the correct order.

Code segments

```
document.write("getContent throws an  
exception : " + e.message + "<br/>");  
}
```

```
catch (e) {
```

```
finally {
```

```
try {  
document.write("Welcome<br/>");
```

```
document.write(getContent());  
}
```

```
document.write("<br/>Bye");  
}
```

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
try {  
document.write("Welcome<br/>");
```

```
document.write(getContent());  
}
```

```
catch (e) {
```

```
document.write("getContent throws an  
exception : " + e.message + "<br/>");  
}
```

```
finally {
```

```
document.write("<br/>Bye");  
}
```



NEW QUESTION 154

You would like to create a web application by using HTML5, JavaScript, and CSS3.
Which of the following Visual Studio 2012 editions can you use? (Choose all that apply.)

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web
- E. Visual Studio Express 2012 for Windows 8

Answer: ABCD

Explanation:

References:

http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf**NEW QUESTION 155**

You would like to create a Windows 8 application by using HTML5, JavaScript, and CSS3. Which of the following Visual Studio 2012 editions can you use? (Choose all that apply.)

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web
- E. Visual Studio Express 2012 for Windows 8

Answer: ABCE**Explanation:**

References:

http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf**NEW QUESTION 157**

You have the following markup.

```
<div id="yellow" style="background-color:yellow">My Yellow Content</div>
```

```
<div id="blue" style="background-color:blue">My Blue Content</div>
```

```
<div id="red" style="background-color:red">My Red Content</div>
```

You need to change the markup programmatically to display as follows:



Which line of code should you use?

- A. `document.getElementById("blue").style.display = "none"`
- B. `$("#blue").css("visibility", "collapse");`
- C. `document.getElementById("blue").style.visibility = "hidden"`
- D. `$("#blue").css("display", "hidden");`

Answer: A**NEW QUESTION 162**

DRAG DROP

You create a JavaScript object named processor as shown in the following code.

```
var processor = {  
  displayProcessDone: function () {  
    alert('Process done');  
  },  
  getAsyncData: function (callback) {  
    callback();  
  },  
  render: function () {  
    this.getAsyncData(function () {  
      this.displayProcessDone();  
    }).Target 1(Target 2);  
  }  
};  
  
processor.render();
```

You need to ensure that when the code executes, a dialog box displays the alert 'Process done'.
How should you complete the code? To answer, drag the appropriate code elements to the correct targets. each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

• • • • •

Code elements

bind

displayProcessDone

eval

getAsyncData

this

•

•

•

•

•

Answer Area

Target 1:

Target 2:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Target 1: bind
Target 2: displayProcessDone

NEW QUESTION 166
.....

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