Oracle

Exam Questions 1z0-808

Java SE 8 Programmer I

NEW QUESTION 1
Which one of the following code examples uses valid Java syntax?

```
A.
public class Boat {

        public static void main (String [] args) {
                System.out.println  ("I float.");
                }
}

B.
public class Cake {
        public static void main (String [] ) {
                System.out.println  ("Chocolate");
                }
}

C.
public class Dog {
        public void main (String [] args) {
                System.out.println  ("Squirrel.");
                }
}

D.
public class Bank {
        public static void main (String () args) {
                System.out.println  ("Earn interest.");
                }
}
```

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

Answer: A

NEW QUESTION 2
Given the code fragments:

```
class Student {
      String name;
      int age;
}
```

And:

```
4.public class Test {
5.  public static void main(String[] args) {
6.      Student s1 = new Student();
7.      Student s2 = new Student();
8.      Student s3 = new Student();
9.      s1 = s3;
10.     s3 = s2;
11.     s2 = null;
12.  }
13.}
```

Which statement is true?

A. After line 11, three objects are eligible for garbage collection.
B. After line 11, two objects are eligible for garbage collection.
C. After line 11, one object is eligible for garbage collection.
D. After line 11, none of the objects are eligible for garbage collection.

Answer: C

NEW QUESTION 3
Given the code fragments:

```
Person.java:

public class Person {
    String name;
    int age;

    public Person(String n, int a) {
        name = n;
        age = a;
    }

    public String getName() {
        return name;
    }

    public int getAge() {
        return age;
    }
}
```

```
Test.java:

public static void checkAge(List<Person> list, Predicate<Person> predicate) {
    for (Person p : list) {
        if (predicate.test(p)) {
            System.out.println(p.name + " ");
        }
    }
}

public static void main(String[] args) {
    List<Person> iList = Arrays.asList(new Person("Hank", 45),
                                       new Person("Charlie", 40),
                                       new Person("Smith", 38));
    //line n1
}
```

Which code fragment, when inserted at line n1, enables the code to print Hank?

A
```
checkAge (iList, ( ) -> p. get Age ( ) > 40);
```

B
```
checkAge(iList, Person p -> p.getAge( ) > 40);
```

C
```
checkAge (iList, p -> p.getAge ( ) > 40);
```

D
```
checkAge(iList, (Person p) -> { p.getAge() > 40; });
```

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

Answer: C

NEW QUESTION 4
Given the code fragment:

```
public static void main(String[] args) {
    int data[] = {2010, 2013, 2014, 2015, 2014};
    int key = 2014;
    int count = 0;
    for (int e: data) {
        if (e != key) {
            continue;
            count++;
        }
    }
    System.out.print(count + " Found");
}
```

What is the result?

A. Compilation fails.
B. 0 Found
C. 1 Found
D. 3 Found

Answer: A

NEW QUESTION 5
Given:

```
public class App {
    int count;
    public static void displayMsg() {
        System.out.println("Welcome Visit Count: " + count++);    // line n1
    }
    public static void main(String[] args) {
        App.displayMsg();
        displayMsg();                                             // line n2
    }
}
```

What is the result?

A. Welcome Visit Count:0Welcome Visit Count: 1
B. Compilation fails at line n2.
C. Compilation fails at line n1.
D. Welcome Visit Count:0Welcome Visit Count: 0

Answer: C

Explanation:

```
1
2  public class App {
3    int count;
4    public static void displayMsg() {
5      System.out.println("Welcome Visit Count: " + count ++); //line n1
6    }
7    public static void main(String[] args) {
8      App.displayMsg();
9      displayMsg();
10   }
11 }
12
```

NEW QUESTION 6
Given the code from the Greeting.Java file:

```
public class Greeting {
    public static void main(String[] args) {
        System.out.println("Hello " + args[0]);
    }
}
```

Which set of commands prints Hello Duke in the console?

```
○ A) javac Greeting
     java Greeting Duke

○ B) javac Greeting.java Duke
     java Greeting

○ C) javac Greeting.java
     java Greeting Duke

○ D) javac Greeting.java
     java Greeting.class Duke
```

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

Answer: C

NEW QUESTION 7
This grid shows the state of a 2D array:

0	0	
	X	0
X		X

The grid is created with this code:

```
char[][] grid = new char[3][3];
grid[1][1] = 'X';
grid[0][0] = '0';
grid[2][0] = 'X';
grid[0][1] = '0';
grid[2][2] = 'X';
grid[1][2] = '0';
//line n1
```

Which line of code, when inserted in place of //line n1, adds an X into the grid so that the grid contains three consecutive Xs?

A. grid[2][1] = 'X';
B. grid[3][2] = 'X';
C. grid[3][1] = 'X';
D. grid[2][3] = 'X';

Answer: D

NEW QUESTION 8
Given the code fragment:

```
public static void main(String[] args) {
    LocalDate date = LocalDate.of(2012, 1, 30);
    date.plusDays(10);
    System.out.println(date);
}
```

What is the result?

A. 2012-02-10 00:00
B. 2012-01-30
C. 2012-02-10
D. A DateTimeException is thrown at runtime.

Answer: B

Explanation:

```
Main.java        🖹  ⊘ saved  ▾
 1   import java.time.LocalDate;
 2   import java.time.Month;
 3
 4   public class Main {
 5     public static void main(String[] args) {
 6       LocalDate date = LocalDate.of(2012, 1, 30);
 7       date.plusDays(10);
 8       System.out.println(date);
 9     }
10   }
```

```
java version "1.8.0_31"
Java(TM) SE Runtime Environment (build 1.8.0_31-b13)
Java HotSpot(TM) 64-Bit Server VM (build 25.31-b07, mixed mode)
> javac -classpath .:/run_dir/junit-4.12.jar:/run_dir/hamcrest-
ore-1.3.jar:/run_dir/json-simple-1.1.1.jar -d . Main.java
> java -classpath .:/run_dir/junit-4.12.jar:/run_dir/hamcrest-c
re-1.3.jar:/run_dir/json-simple-1.1.1.jar Main
2012-01-30
▮
```

NEW QUESTION 9
Given:

```
public class Test {
    public static void main(String[] args) {
        boolean a = new Boolean(Boolean.valueOf(args[0]));
        boolean b = new Boolean(args[1]);
        System.out.println(a + " " + b);
    }
}
```

And given the commands:
```
javac Test.java
java Test 1 null
```

What is the result?

A. 1 null
B. true false
C. false false
D. true true
E. A ClassCastException is thrown at runtime.

Answer: D

NEW QUESTION 10
Given:

```
class Product {
    double price;
}

public class Test {
    public void updatePrice(Product product, double price) {
        price = price * 2;
        product.price = product.price + price;
    }
    public static void main(String[] args) {
        Product prt = new Product();
        prt.price = 200;
        double newPrice = 100;

        Test t = new Test();
        t.updatePrice(prt, newPrice);
        System.out.println(prt.price + " : " + newPrice);
    }
}
```

What is the result?

A. 200.0 : 100.0
B. 400.0 : 200.0
C. 400.0 : 100.0
D. Compilation fails.

Answer: C

NEW QUESTION 10
Given the code fragment:

```
LocalDateTime dt = LocalDateTime.of(2014, 7, 31, 1, 1);
dt.plusDays(30);
dt.plusMonths(1);
System.out.println(dt.format(DateTimeFormatter.ISO_DATE_TIME));
```

What is the result?

A. An exception is thrown at runtim
B. 2014-07-31T01:01:00
C. 2014-07-31
D. 2014-09-30T00:00:00

Answer: B

NEW QUESTION 12
Which statement is true about Java byte code?

A. It can run on any platform.
B. It can run on any platform only if it was compiled for that platform.
C. It can run on any platform that has the Java Runtime Environment.
D. It can run on any platform that has a Java compiler.
E. It can run on any platform only if that platform has both the Java Runtime Environment and a Java compiler.

Answer: D

Explanation:
Java bytecodes help make "write once, run anywhere" possible. You can compile your program into bytecodes on any platform that has a Java compiler. The bytecodes can then be run on any implementation of the Java VM. That means that as long as a computer has a Java VM, the same program written in the Java programming language can run on Windows 2000, a Solaris workstation, or on an iMac.

NEW QUESTION 13
Given the code fragment:

```
public static void main(String[] args) {
     LocalDate date = LocalDate.of(2012, 01, 32);
     date.plusDays(10);
     System.out.println(date);
}
```

What is the result?

A. 2012-02-10
B. 2012-02-11
C. Compilation fails
D. A DateTimeException is thrown at runtime.

Answer: D

NEW QUESTION 16
Given:

```
class Caller {
    private void init () {
        System.out.println("Initialized");
    }

    private void start () {
    init();
    System.out.println("Started");
    }
}

public class TestCall {
    public static void main(String[] args) {
        Caller c = new Caller();
        c.start(); // line n1
        c.init();  // line n2
    }
}
```

What is the result?

A. Compilation fails at line n1.
B. InitializedStartedInitialized
C. InitializedStarted
D. Compilation fails at line n2.

Answer: D

NEW QUESTION 18
Given:

```
Base.java:

class Base {
    public void test(){
        System.out.println("Base ");
    }
}

DerivedA.java:

class DerivedA extends Base {
    public void test(){
        System.out.println("DerivedA ");
    }
}

DerivedB.java:

class DerivedB  extends DerivedA {
    public void test(){
        System.out.println("DerivedB ");
    }
    public static void main(String[] args) {
        Base b1 = new DerivedB();
        Base b2 = new DerivedA();
        Base b3 = new DerivedB();
        Base b4 = b3;
        b1 = (Base) b2;
        b1.test();
        b4.test();
    }
}
```

What is the result?

A. BaseDerivedA
B. BaseDerivedB
C. DerivedBDerivedB
D. DerivedBDerivedA
E. A ClassCastException is thrown at runtime.

Answer: D

NEW QUESTION 23
Given the code fragment:

```
public static void main(String[] args) {
    LocalDate date = LocalDate.of(2012, 1, 30);
    date.plusDays(10);
    System.out.println(date);
}
```

What is the result?

A. 2012-02-10
B. 2012-01-30
C. 2012-02-10 00:00
D. A DateTimeException is thrown at runtime.

Answer: C

NEW QUESTION 26
Which two code fragments cause a compilation error? (Choose two.)

A. float flt = 100.00F;

B. float flt = (float) 1_11.00;
C. Float flt = 100.00;
D. double y1 = 203.22;float flt = y1;
E. int y2 = 100;float flt = (float) y2 ;

Answer: AD

NEW QUESTION 29
Given this segment of code:

```
ArrayList<Cycle> myList = new ArrayList<>();
myList.add(new MotorCycle());
```

Which two statements, if either were true, would make the code compile? (Choose two.)

A. MotorCycle is an interface that implements the Cycle class.
B. Cycle is an interface that is implemented by the MotorCycle class.
C. Cycle is an abstract superclass of MotorCycle.
D. Cycle and MotorCycle both extend the Transportation superclass.
E. Cycle and MotorCycle both implement the Transportation interface.
F. MotorCycle is a superclass of Cycle.

Answer: BC

NEW QUESTION 31
Which two statements are true? (Choose two.)

A. Error class is unextendable.
B. Error class is extendable.
C. Error is a RuntimeException.
D. Error is an Exception.
E. Error is a Throwable.

Answer: BC

NEW QUESTION 32
Which three statements are true about the structure of a Java class? (Choose three.)

A. A class cannot have the same name as its field.
B. A public class must have a main method.
C. A class can have final static methods.
D. A class can have overloaded private constructors.
E. Fields need to be initialized before use.
F. Methods and fields are optional components of a class.

Answer: BDE

NEW QUESTION 34
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