# CKA Dumps

# Certified Kubernetes Administrator (CKA) Program

# https://www.certleader.com/CKA-dumps.html

**NEW QUESTION 1**
List the nginx pod with custom columns POD_NAME and POD_STATUS

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
kubectl get po -o=custom-columns="POD_NAME:.metadata.name, POD_STATUS:.status.containerStatuses[].state"


**NEW QUESTION 2**
Create a pod as follows:
➢ Name:mongo
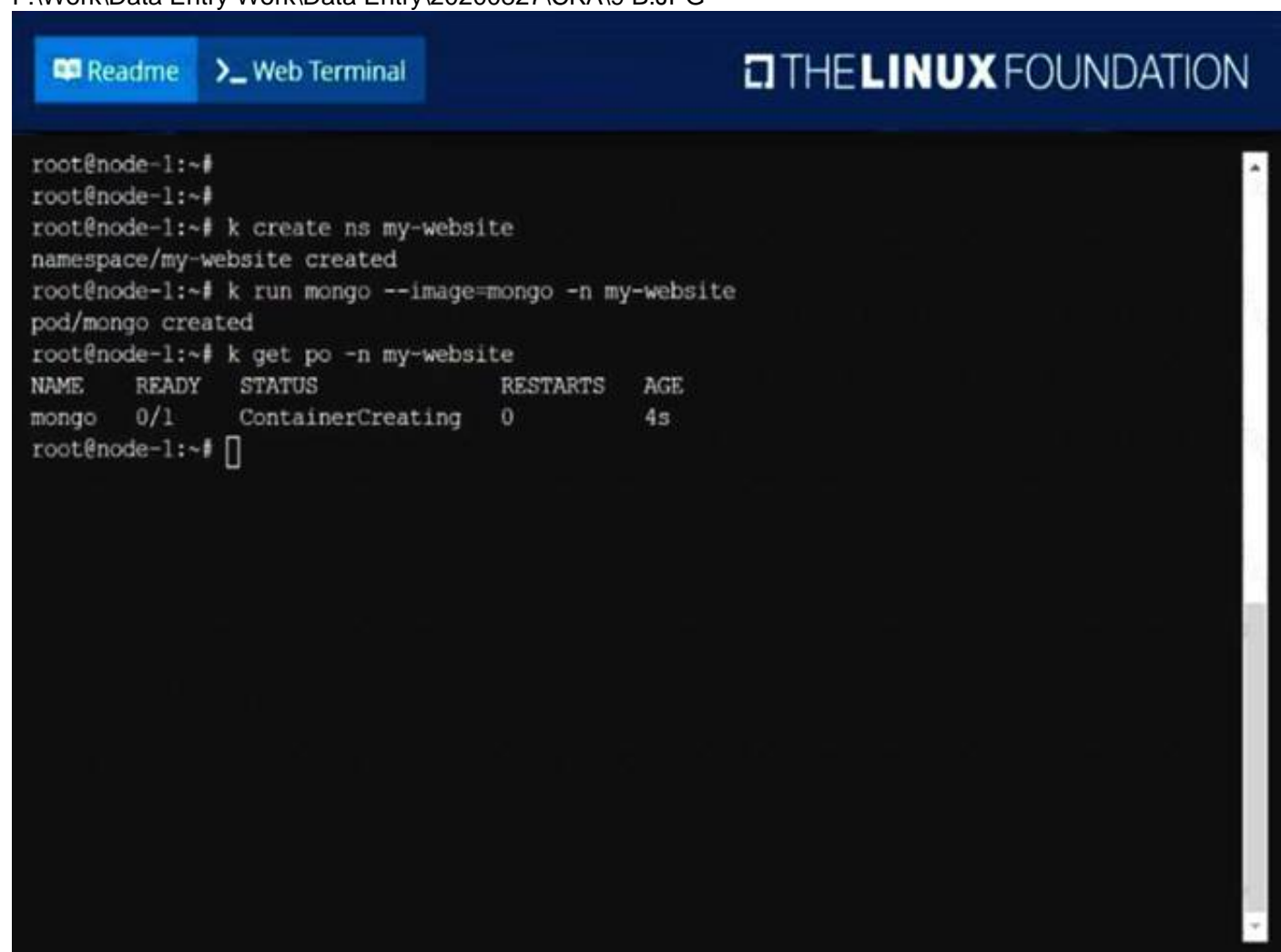➢ Using Image:mongo
➢ In anew Kubernetes namespacenamed:my-website

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
solution
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**NEW QUESTION 3**
Create a deployment as follows:
➢ Name:nginx-app
➢ Using containernginxwithversion 1.11.10-alpine
➢ The deployment should contain3replicas
Next, deploy the application with newversion1.11.13-alpine, byperforming a rolling update.
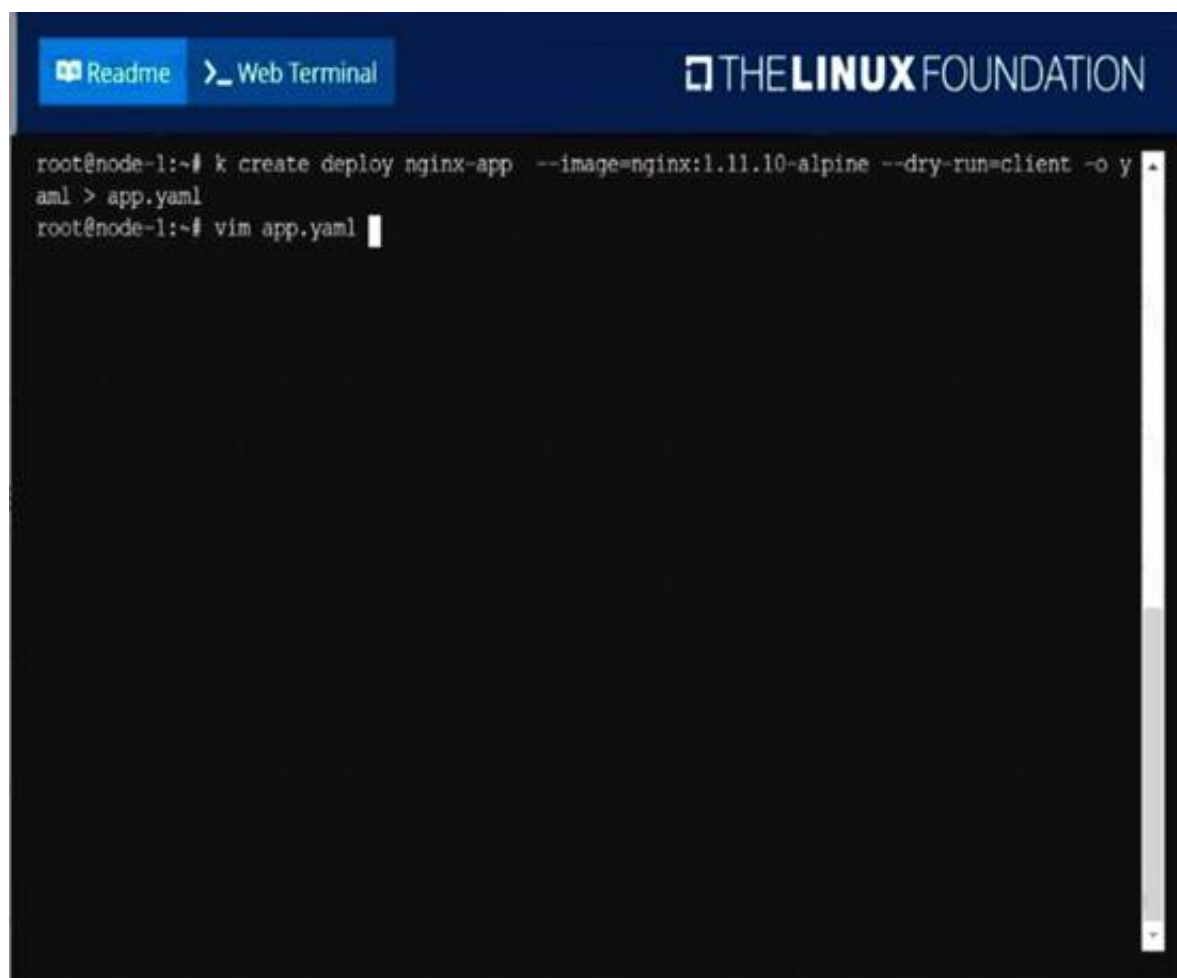Finally, rollback that update to theprevious version1.11.10-alpine.

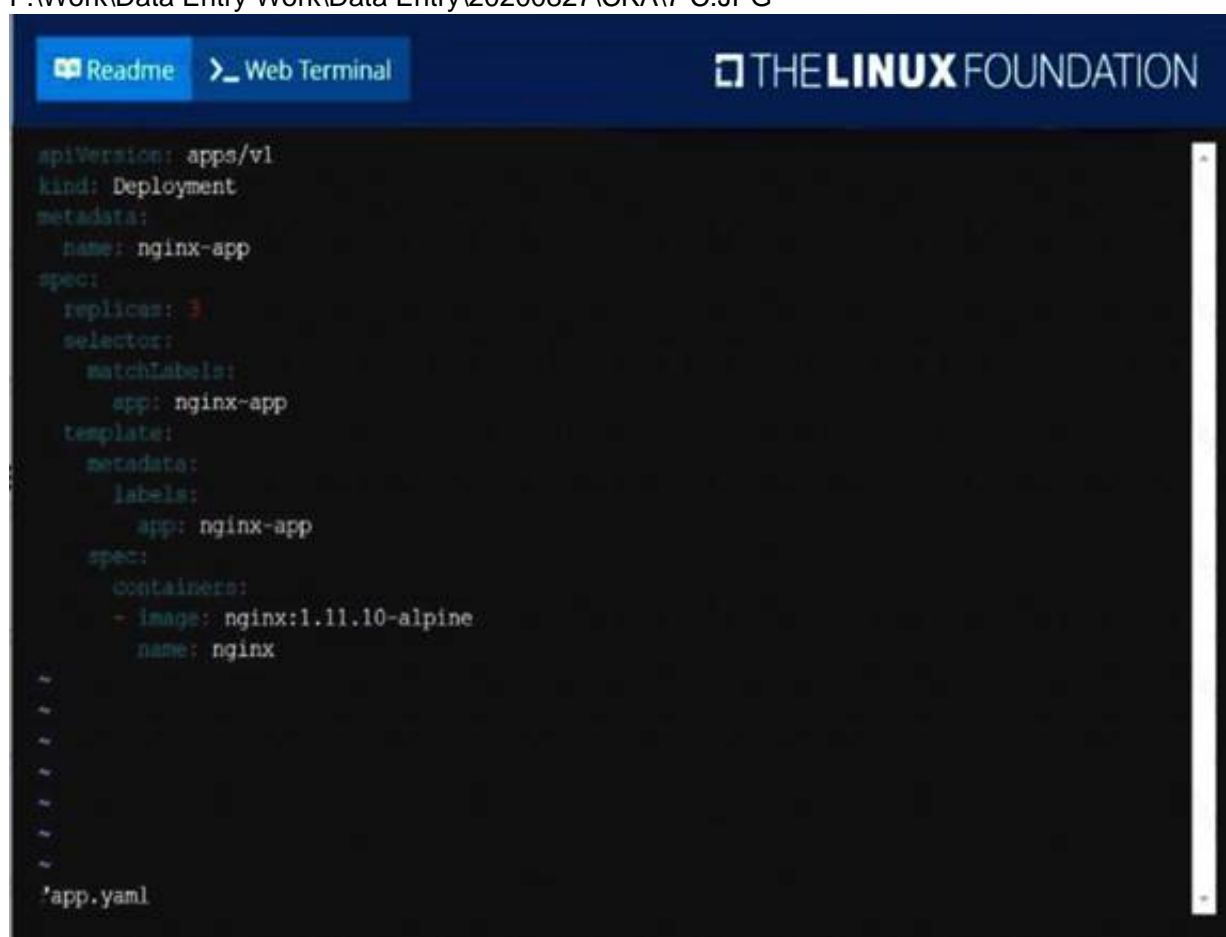A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
 solution
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```
root@node-1:~# k create deploy nginx-app  --image=nginx:1.11.10-alpine --dry-run=client -o y
aml > app.yaml
root@node-1:~# vim app.yaml
root@node-1:~# k create -f app.yaml
deployment.apps/nginx-app created
root@node-1:~#
root@node-1:~#
root@node-1:~# k set image deploy nginx-app nginx=nginx:1.11.13-alpine  --record
deployment.apps/nginx-app image updated
root@node-1:~# k rollout undo deploy nginx-app
deployment.apps/nginx-app rolled back
root@node-1:~#
```

**NEW QUESTION 4**

Create a pod namedkucc8with asingle app container for each of the
following images running inside(there may be between 1 and 4images specified): nginx + redis + memcached.

A. Mastered
B. Not Mastered
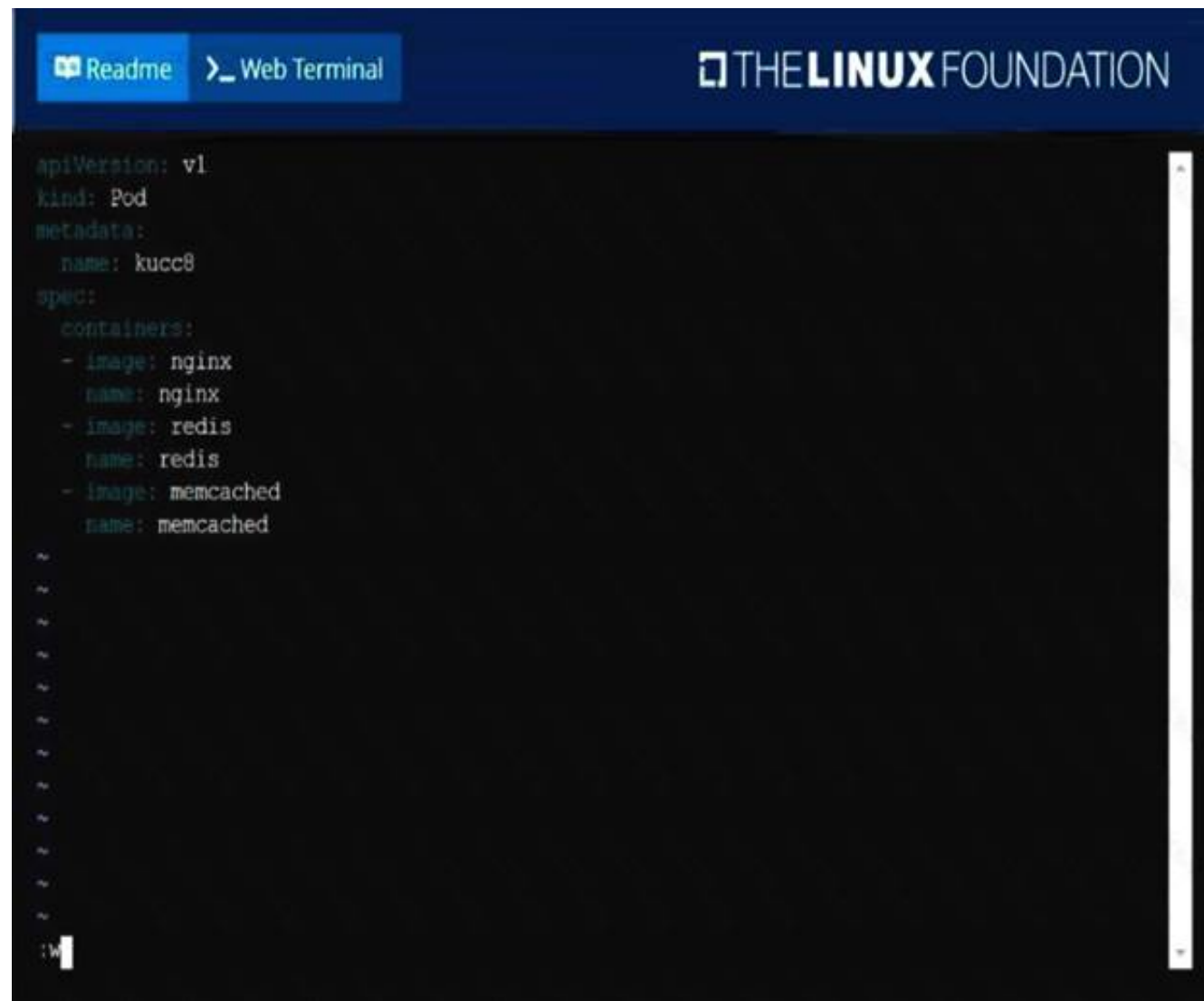
**Answer:** A

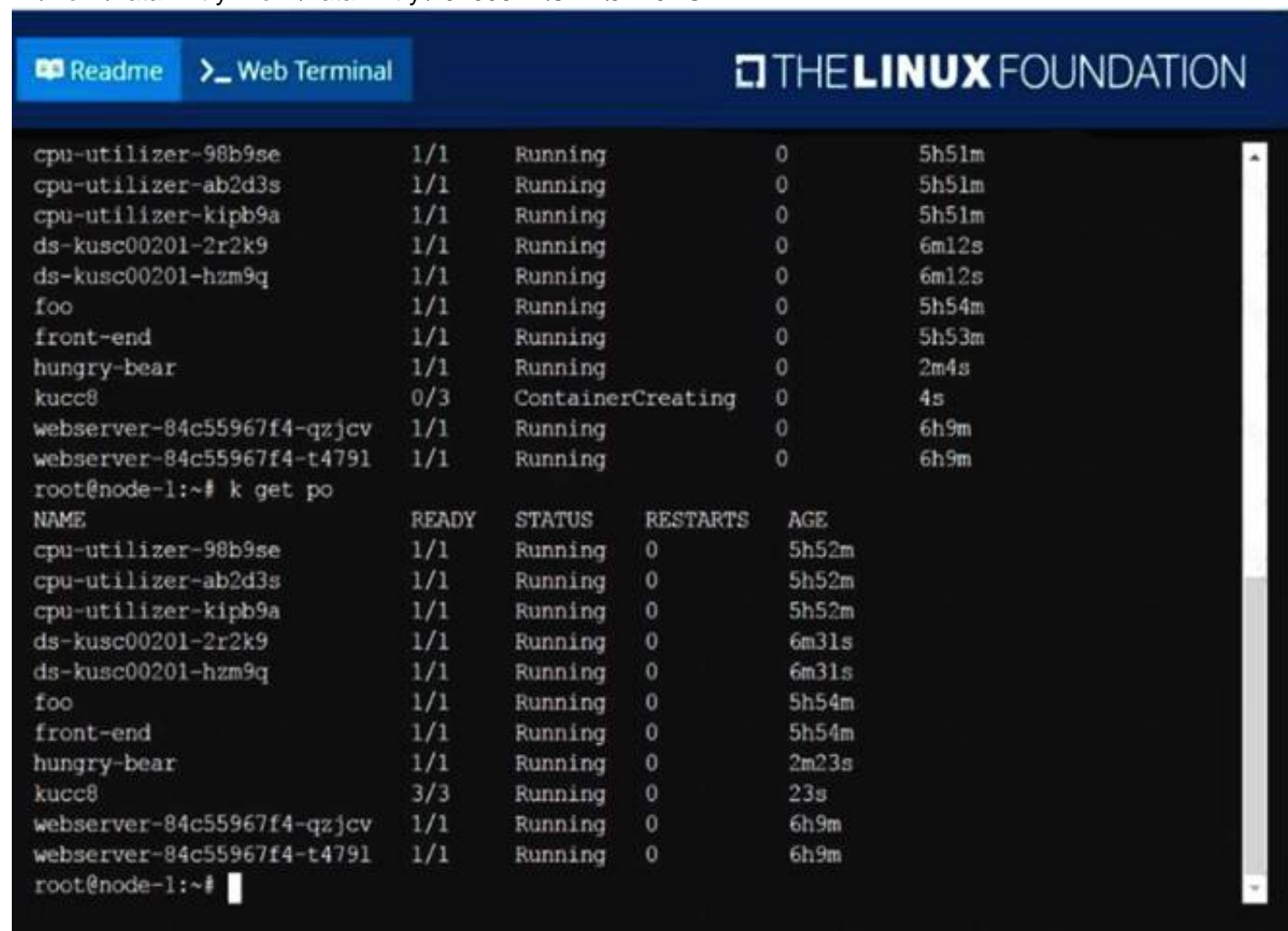**Explanation:**
 solution
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```
root@node-1:~# vim ds.yaml
iroot@node-1:~# k create -f ds.yaml
daemonset.apps/ds-kusc00201 created
root@node-1:~# k get ds
NAME            DESIRED   CURRENT   READY   UP-TO-DATE   AVAILABLE   NODE SELECTOR   AGE
ds-kusc00201    2         2         2       2            2           <none>          4s
root@node-1:~# vim /opt/KUCC00108/pod-spec-KUCC00108.yaml
root@node-1:~# k create -f /opt/KUCC00108/pod-spec-KUCC00108.yaml
pod/hungry-bear created
root@node-1:~# k get po
NAME                       READY   STATUS    RESTARTS   AGE
cpu-utilizer-98b9se        1/1     Running   0          5h50m
cpu-utilizer-ab2d3s        1/1     Running   0          5h50m
cpu-utilizer-kipb9a        1/1     Running   0          5h50m
ds-kusc00201-2r2k9         1/1     Running   0          4m50s
ds-kusc00201-hzm9q         1/1     Running   0          4m50s
foo                        1/1     Running   0          5h52m
front-end                  1/1     Running   0          5h52m
hungry-bear                1/1     Running   0          42s
webserver-84c55967f4-qzjcv 1/1     Running   0          6h7m
webserver-84c55967f4-t479l 1/1     Running   0          6h7m
root@node-1:~# k run nginx --image=nginx --dry-run=client -o yaml > nginx.yaml
root@node-1:~# vim nginx.yaml
```

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**NEW QUESTION 5**
List all the pods sorted by name

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
kubect1 get pods --sort-by=.metadata.name

**NEW QUESTION 6**
Create a pod as follows:
➢ Name:non-persistent-redis
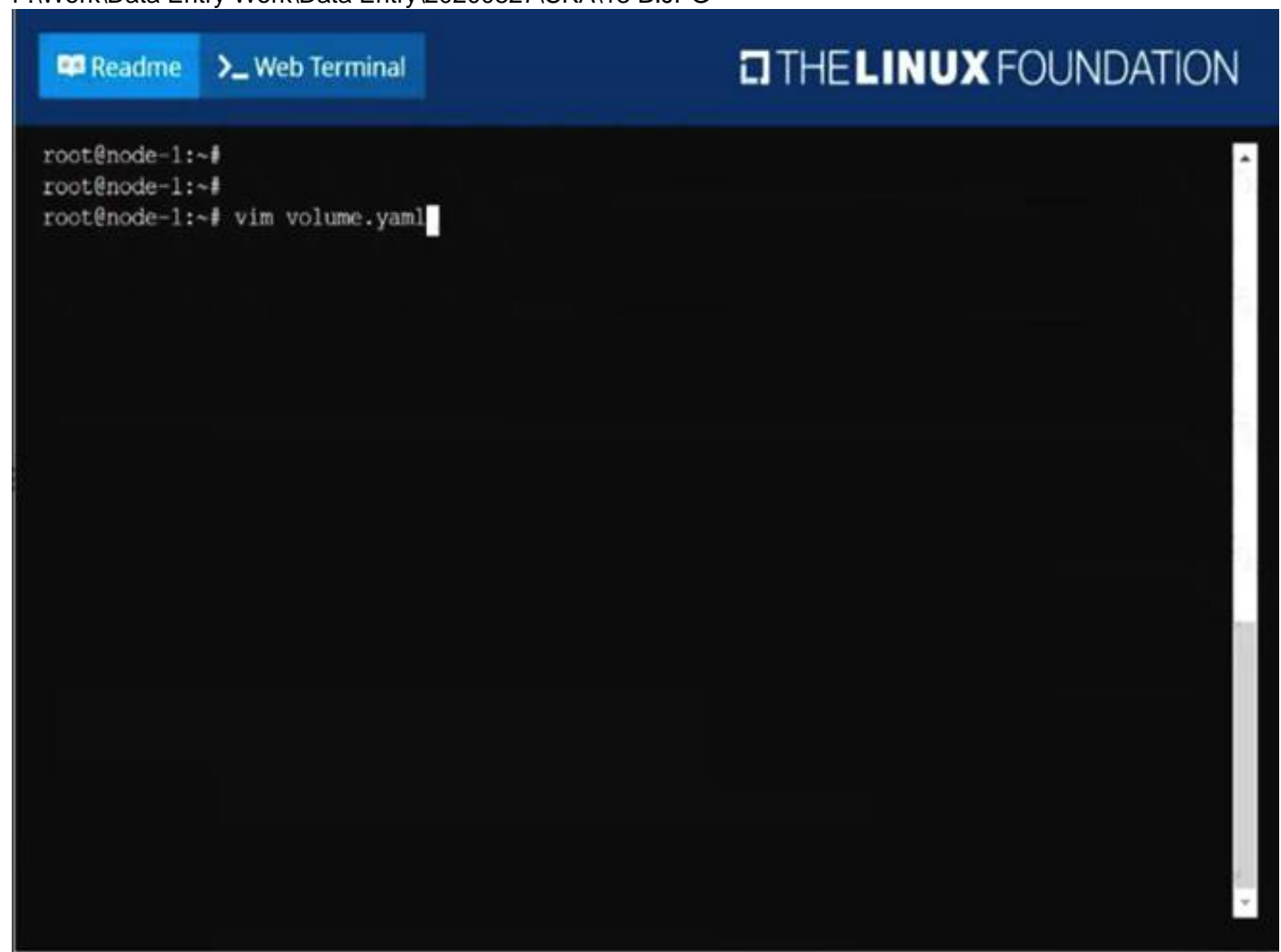➢ container Image:redis
➢ Volume with name:cache-control
➢

Mount path:/data/redis
The pod should launch in thestagingnamespace and the volumemust notbe persistent.
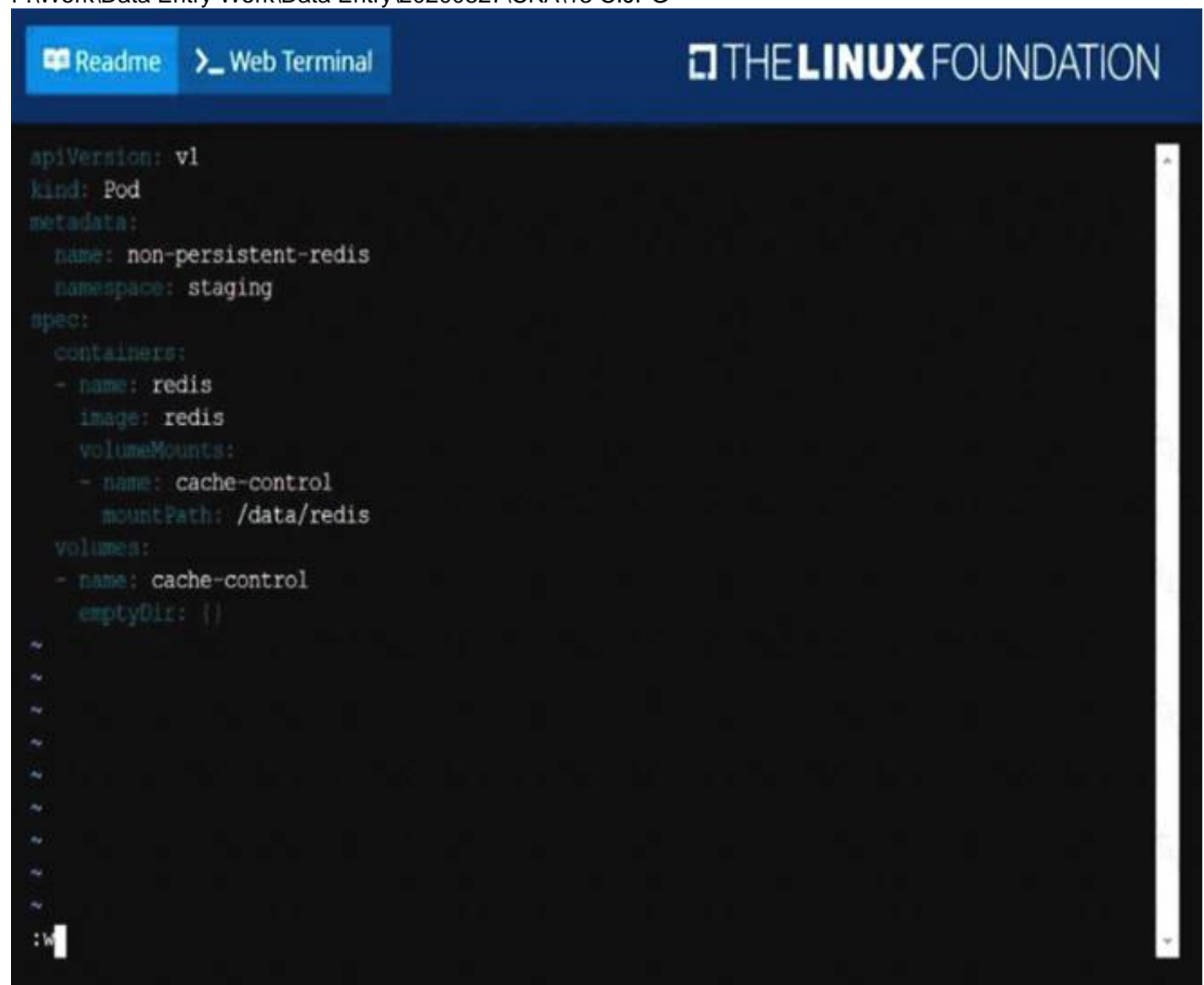
A. Mastered
B. Not Mastered

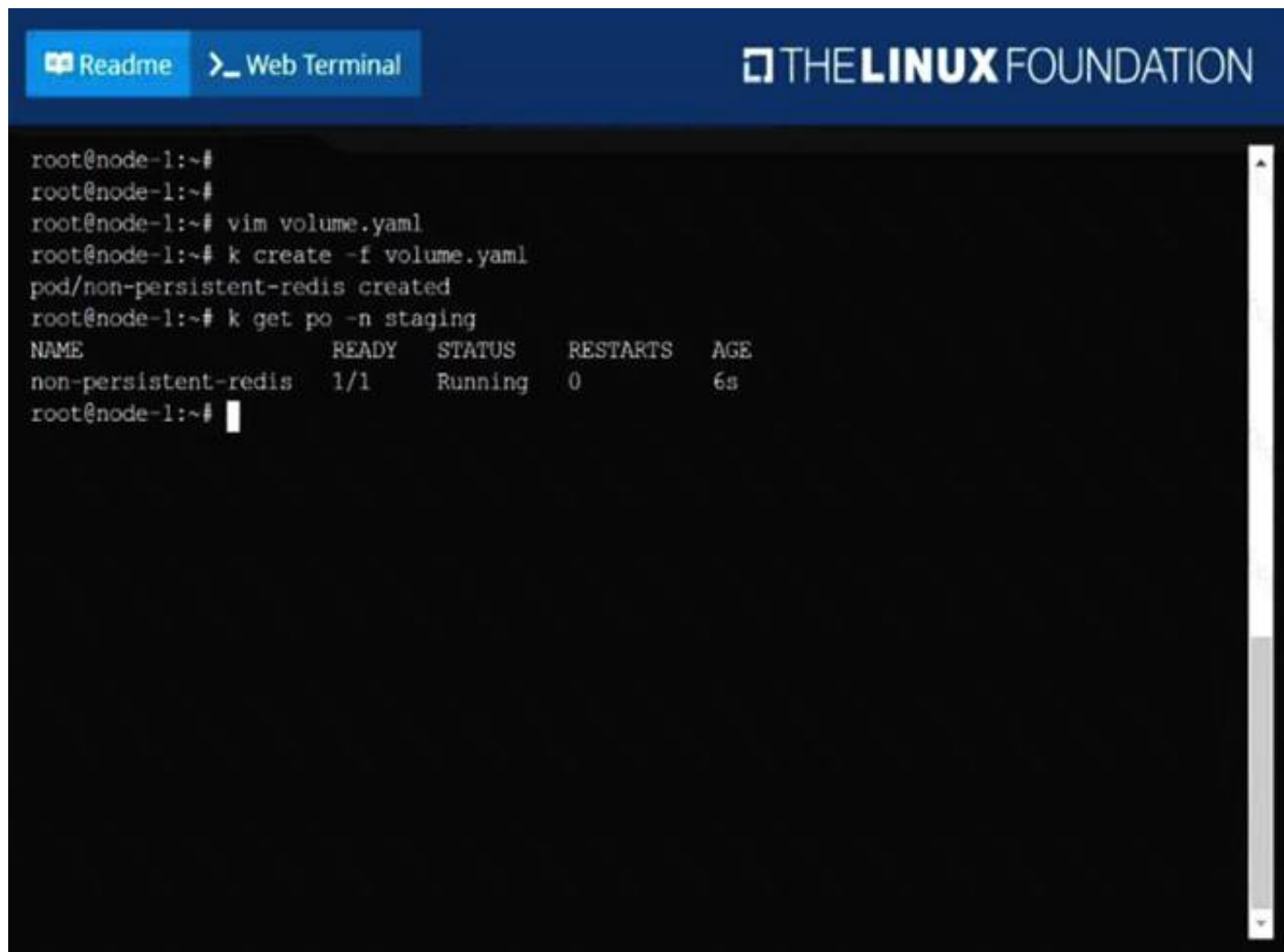**Answer:** A

**Explanation:**
 solution
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```
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root@node-1:~#
root@node-1:~#
root@node-1:~# vim volume.yaml
root@node-1:~# k create -f volume.yaml
pod/non-persistent-redis created
root@node-1:~# k get po -n staging
NAME                    READY    STATUS    RESTARTS    AGE
non-persistent-redis    1/1      Running   0           6s
root@node-1:~#
```

**NEW QUESTION 7**
List the nginx pod with custom columns POD_NAME and POD_STATUS

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
kubectl get po -o=custom-columns="POD_NAME:.metadata.name, POD_STATUS:.status.containerStatuses[].state"


**NEW QUESTION 8**
Create a file:
/opt/KUCC00302/kucc00302.txtthatlists all pods that implement servicebazin namespacedevelopment.
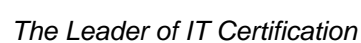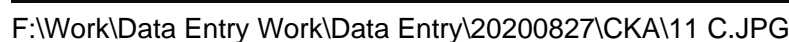The format of the file should be onepod name per line.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
solution
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**NEW QUESTION 9**
From the pod labelname=cpu-utilizer, find podsrunning high CPU workloads and
write the name of the pod consumingmost CPU to thefile/opt/KUTR00102/KUTR00102.txt(which already exists).
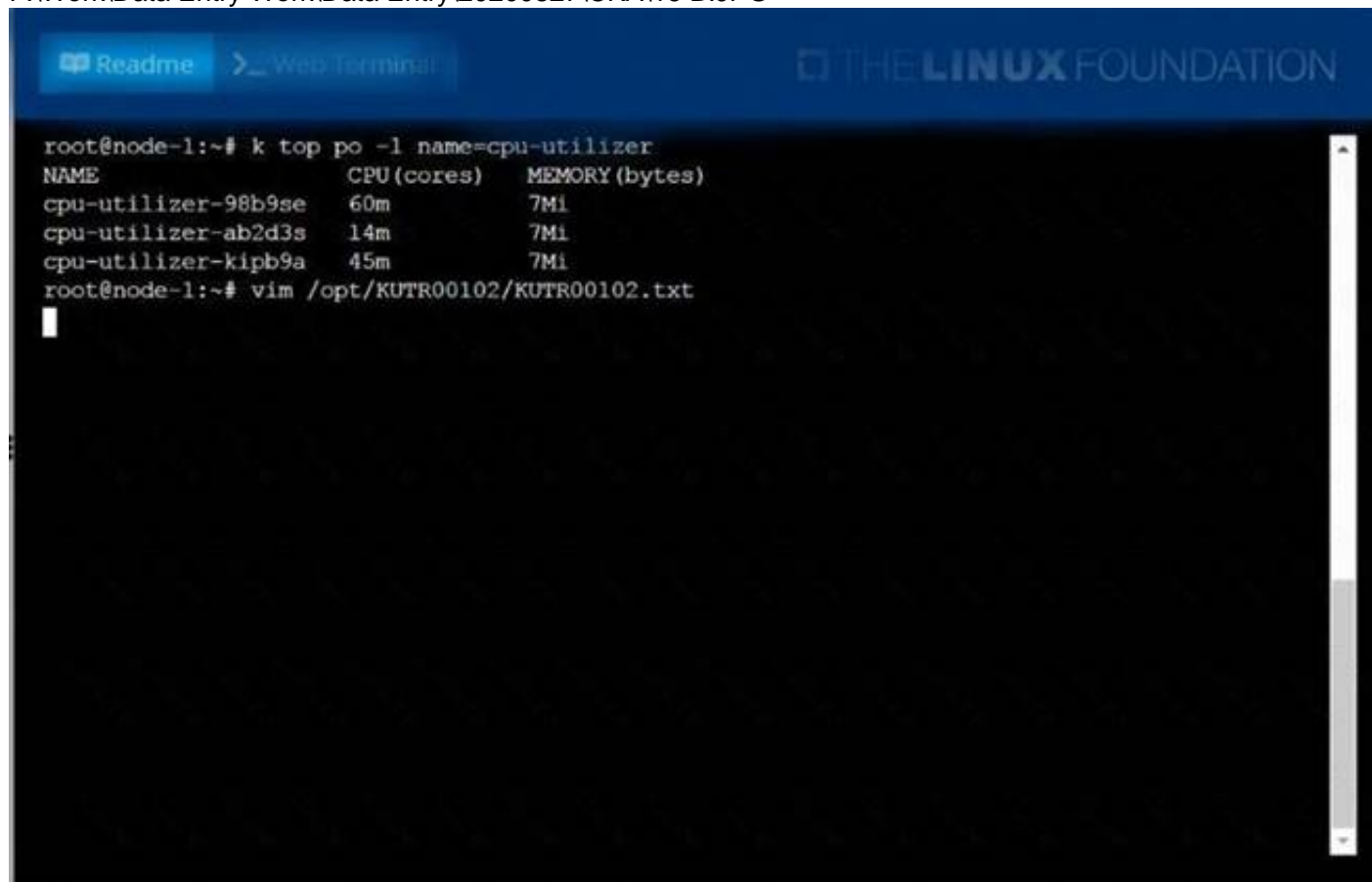
A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
 solution
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**NEW QUESTION 10**
Perform the following tasks:
➢ Add an init container tohungry-bear(which has beendefined in spec file
/opt/KUCC00108/pod-spec-KUCC00108.yaml)
➢ The init container should createan empty file named/workdir/calm.txt
➢ If/workdir/calm.txtis notdetected, the pod should exit
➢ Once the spec file has beenupdatedwith the init containerdefinition, the pod should becreated
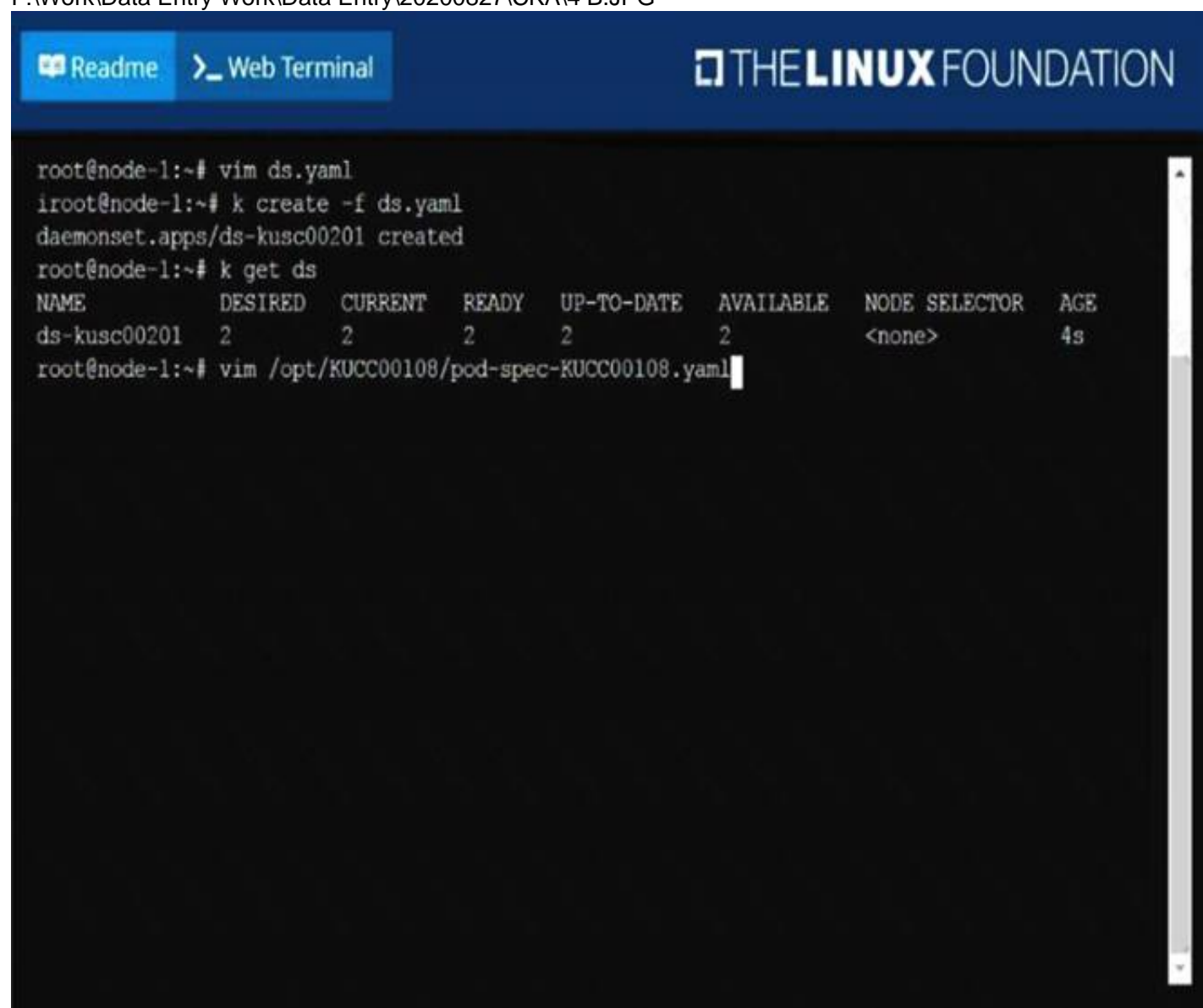
A. Mastered
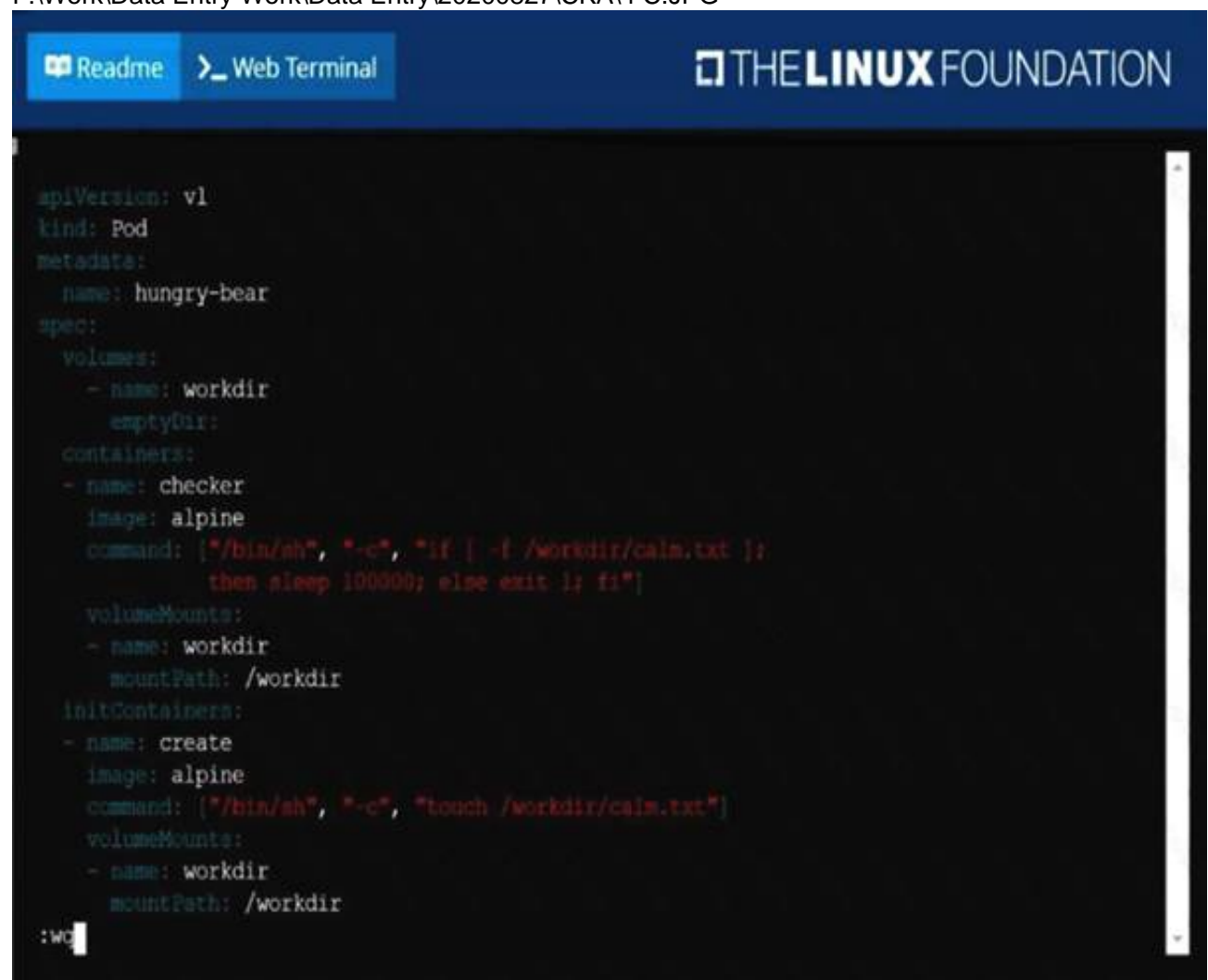B. Not Mastered

**Answer:** A

**Explanation:**

solution
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```
root@node-1:~# vim ds.yaml
iroot@node-1:~# k create -f ds.yaml
daemonset.apps/ds-kusc00201 created
root@node-1:~# k get ds
NAME           DESIRED   CURRENT   READY   UP-TO-DATE   AVAILABLE   NODE SELECTOR   AGE
ds-kusc00201   2         2         2       2            2           <none>          4s
root@node-1:~# vim /opt/KUCC00108/pod-spec-KUCC00108.yaml
```

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```
apiVersion: v1
kind: Pod
metadata:
  name: hungry-bear
spec:
  volumes:
    - name: workdir
      emptyDir:
  containers:
  - name: checker
    image: alpine
    command: ["/bin/sh", "-c", "if [ -f /workdir/calm.txt ];
            then sleep 100000; else exit 1; fi"]
    volumeMounts:
    - name: workdir
      mountPath: /workdir
  initContainers:
  - name: create
    image: alpine
    command: ["/bin/sh", "-c", "touch /workdir/calm.txt"]
    volumeMounts:
    - name: workdir
      mountPath: /workdir
:wq
```

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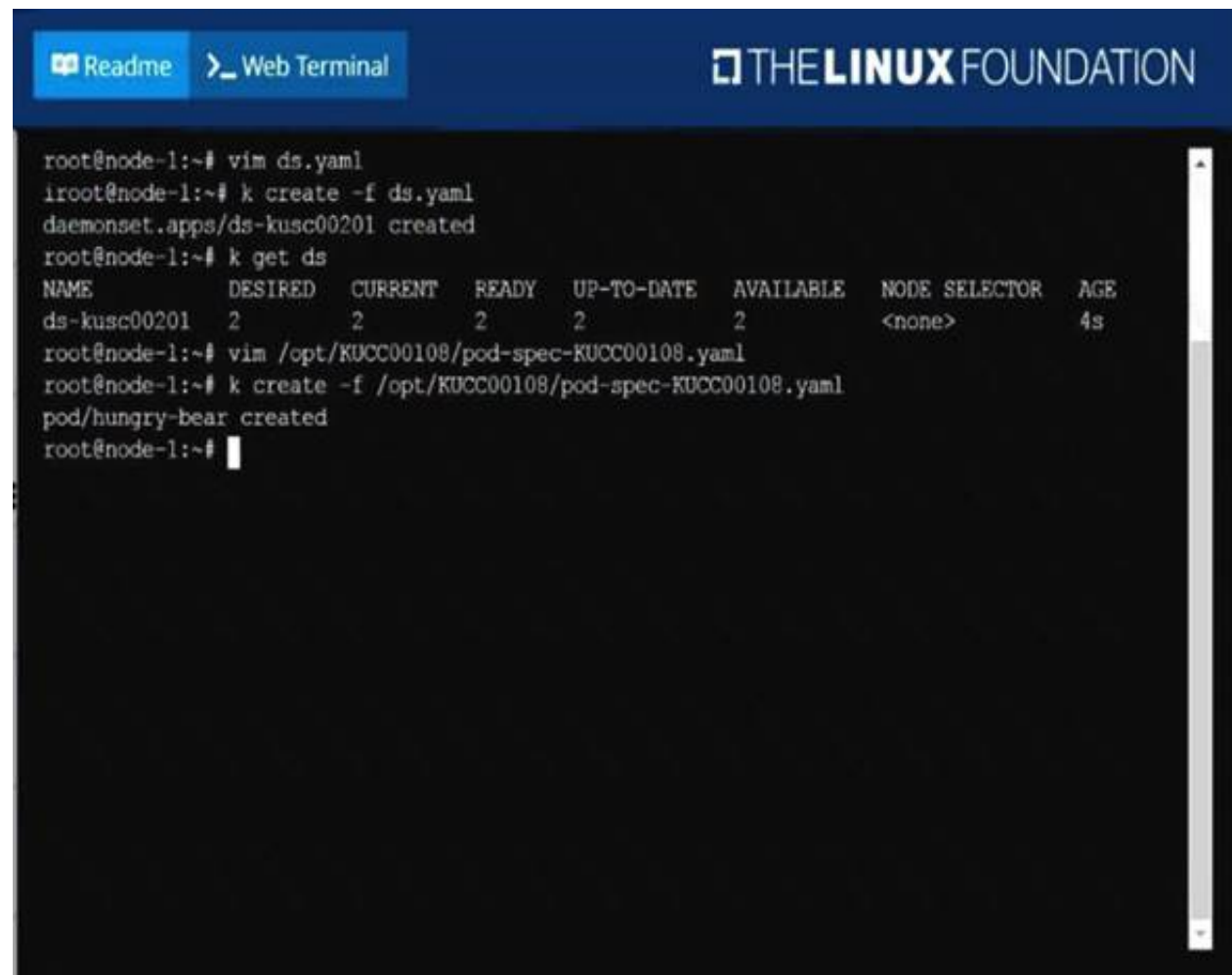
**NEW QUESTION 10**
Check the Image version of nginx-dev pod using jsonpath

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
kubect1 get po nginx-dev -o jsonpath='{.spec.containers[].image}{"\n"}'


**NEW QUESTION 11**
Create a busybox pod and add ??sleep 3600?? command

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
kubectl run busybox --image=busybox --restart=Never -- /bin/sh -c "sleep 3600"


**NEW QUESTION 15**
Create and configure the servicefront-end-serviceso it's accessiblethroughNodePortand routes to theexisting pod namedfront-end.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
 solution
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**NEW QUESTION 20**

List all the pods showing name and namespace with a json path expression

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

kubectl get pods -o=jsonpath="{.items[*]['metadata.name', 'metadata.namespace']}"

**NEW QUESTION 24**

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