

Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program

<https://www.2passeasy.com/dumps/CKA/>



NEW QUESTION 1

Create a pod with environment variables as var1=value1. Check the environment variable in pod

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
kubectl run nginx --image=nginx --restart=Never --env=var1=value1
# then
kubectl exec -it nginx -- env
# or
kubectl exec -it nginx -- sh -c 'echo $var1'
# or
kubectl describe po nginx | grep value1
```

NEW QUESTION 2

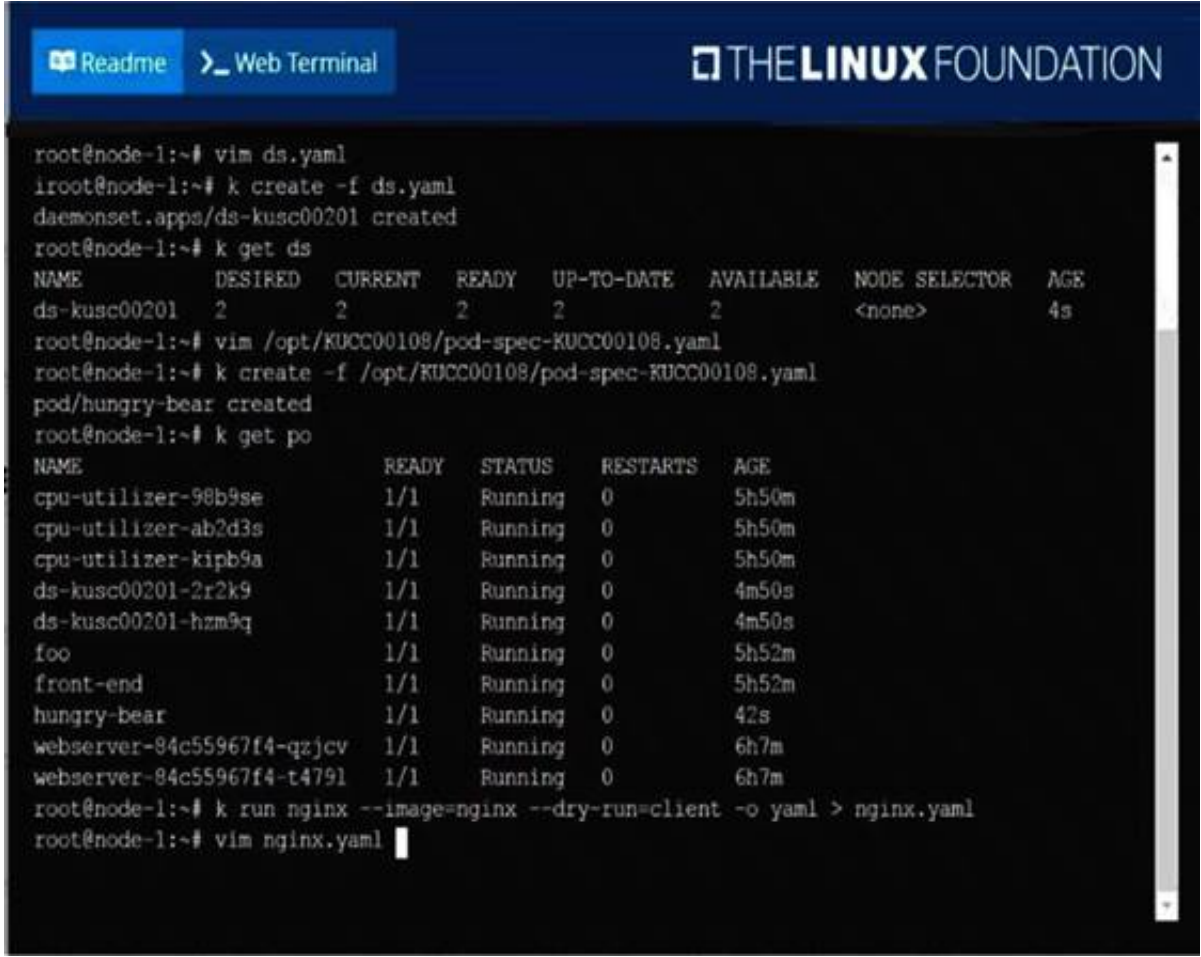
Create a pod namedkucc8with a single app container for each of the following images running inside (there may be between 1 and 4 images specified): nginx + redis + memcached.

- A. Mastered
- B. Not Mastered

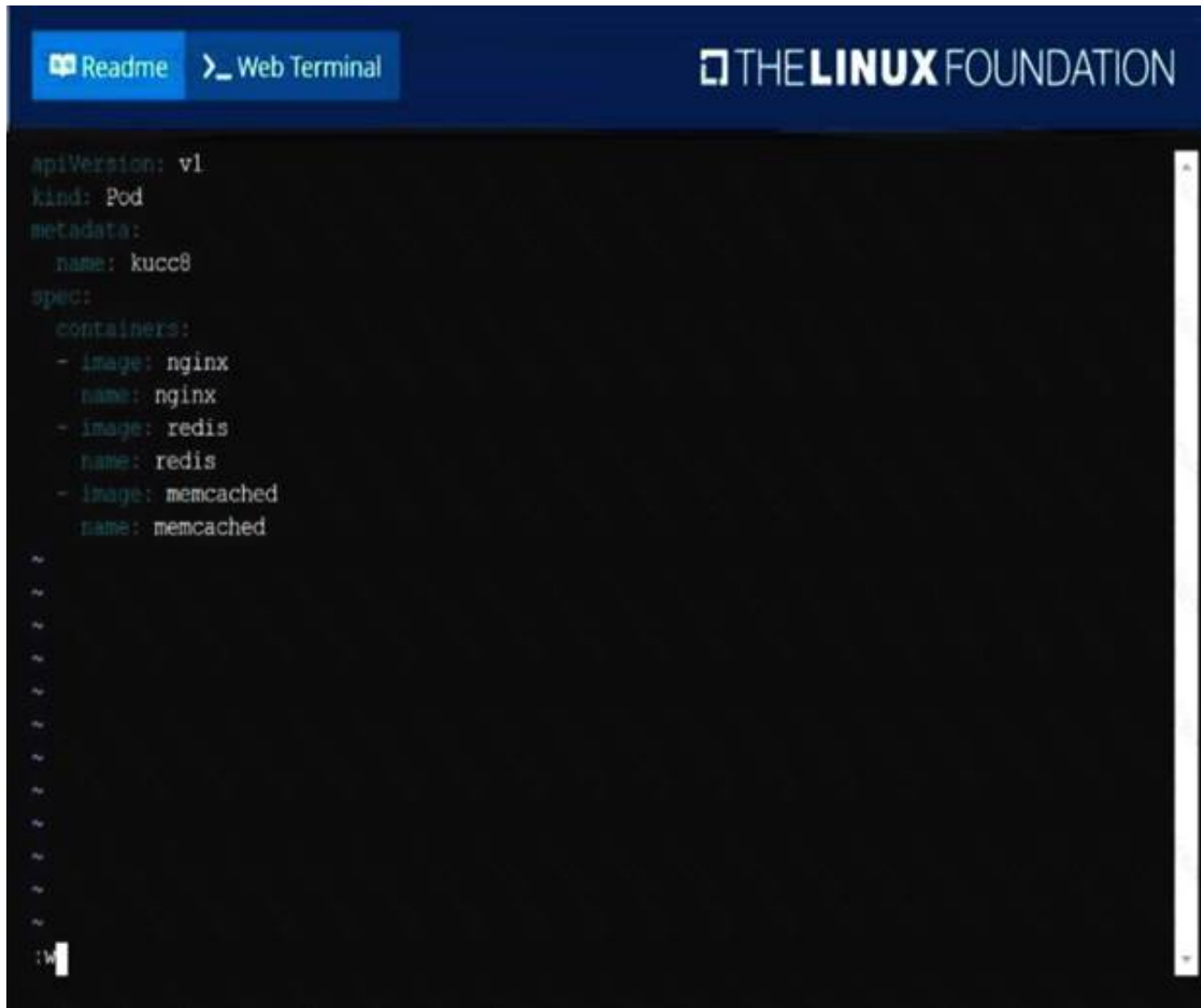
Answer: A

Explanation:

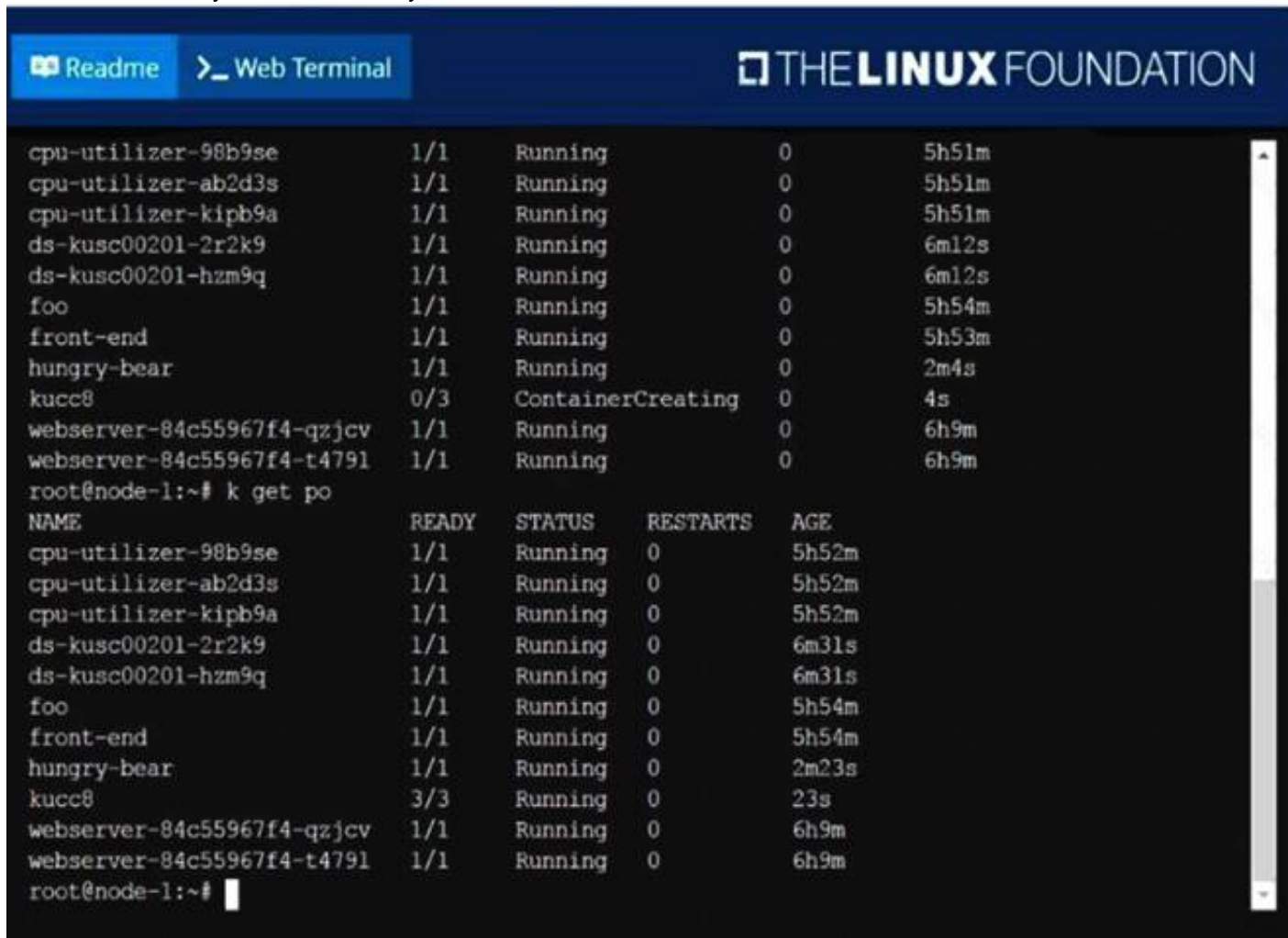
solution
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NEW QUESTION 3

Create a pod with image nginx called nginx and allow traffic on port 80

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
kubectlrn nginx --image=nginx --restart=Never --port=80
```

NEW QUESTION 4

List pod logs named `frontend` and search for the pattern `started` and write it to a file `~/opt/error-logs`

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Kubectll logs frontend | grep -i ??started?? > /opt/error-logs

NEW QUESTION 5

Ensure a single instance of podnginxis running on each node of theKubernetes cluster wherenginxalso represents the Image name whichhas to be used. Do not override anytaints currently in place.

UseDaemonSetto complete thistask and useds-kusc00201asDaemonSet name.

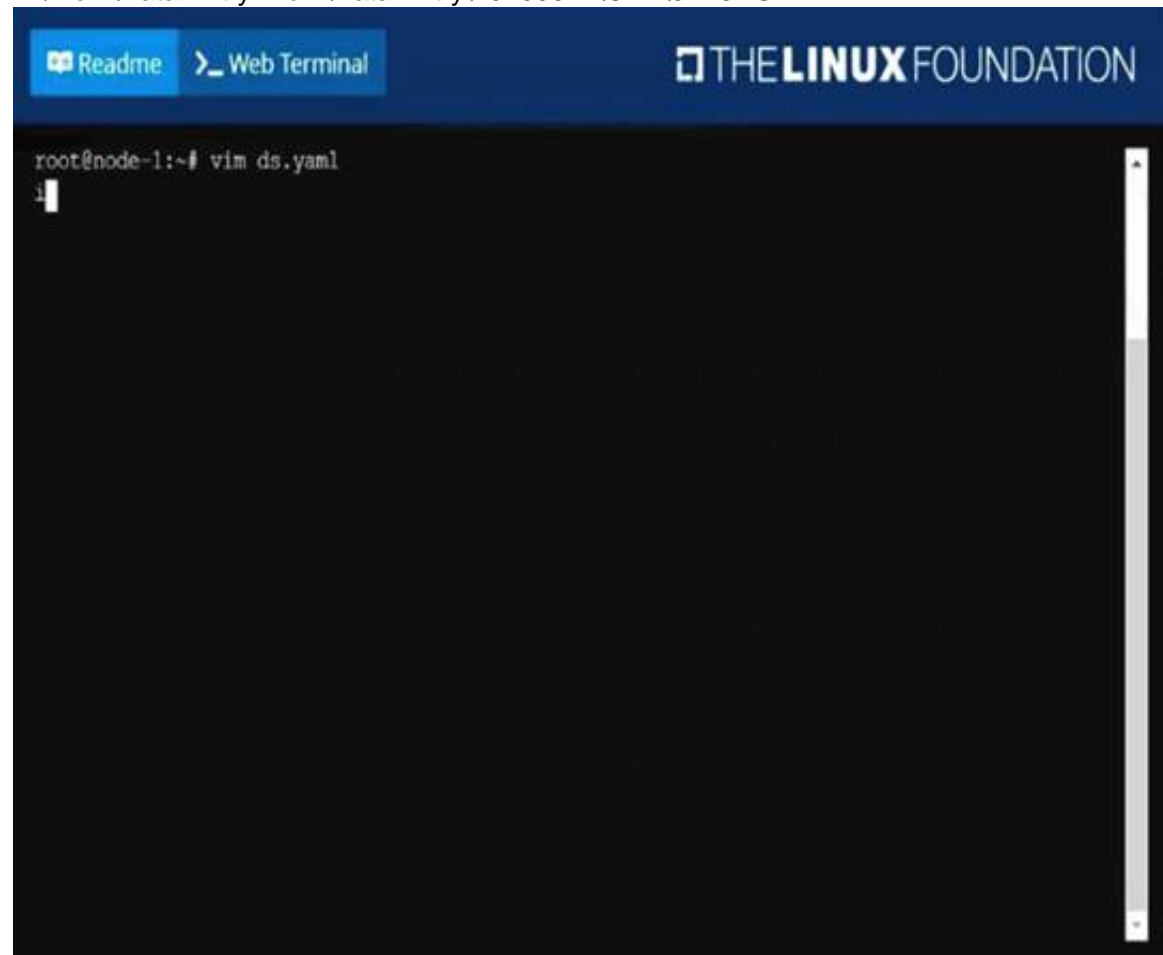
- A. Mastered
- B. Not Mastered

Answer: A

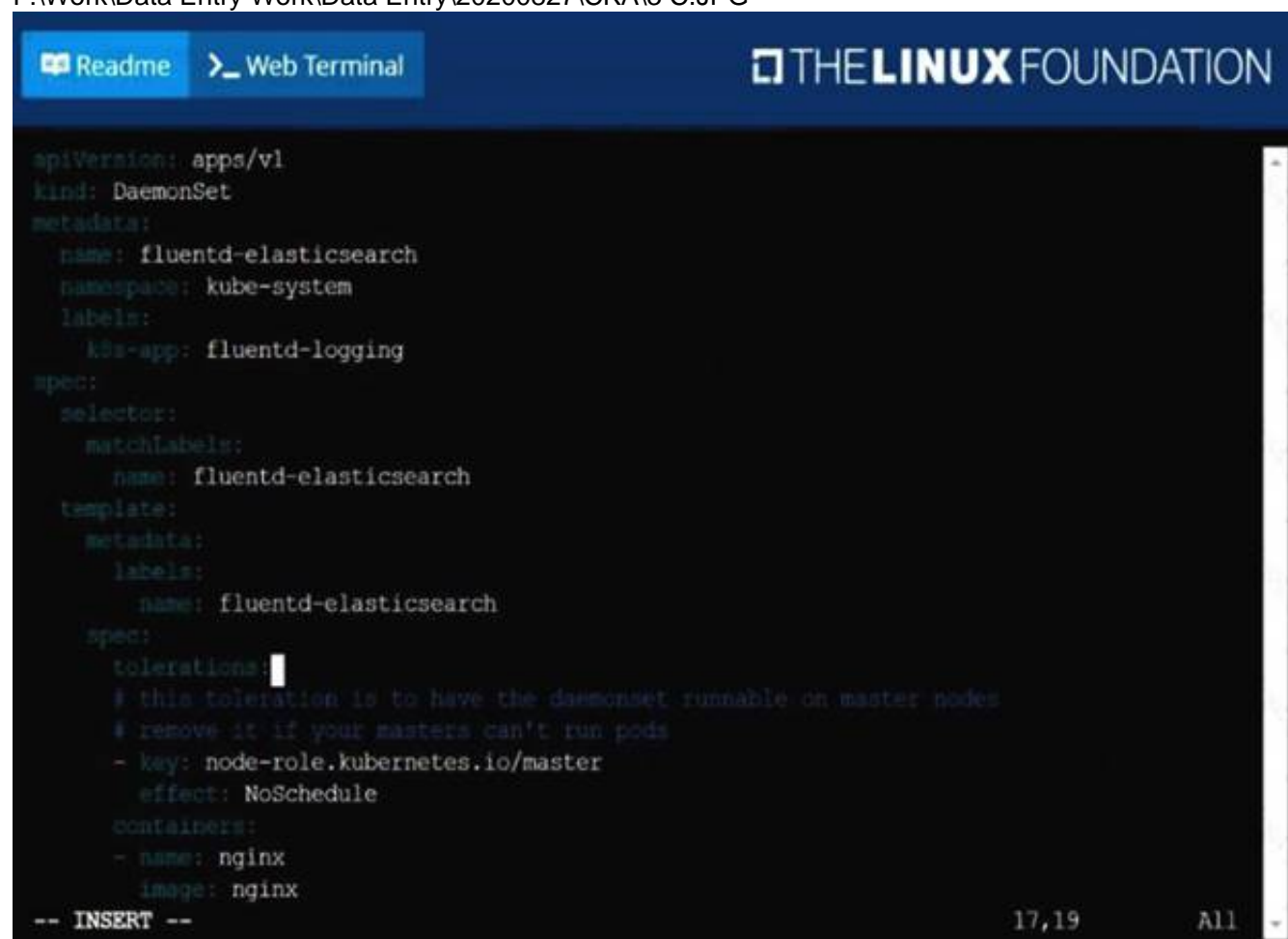
Explanation:

solution

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Get list of all pods in all namespaces and write it to file `??/opt/pods-list.yaml`??

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
kubectl get po ?Call-namespaces > /opt/pods-list.yaml
```

NEW QUESTION 7

Create a file:

```
/opt/KUCC00302/kucc00302.txtthatlists all pods that implement servicebazin namespacesdevelopment.
```

The format of the file should be onepod name per line.

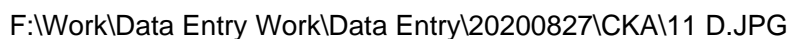
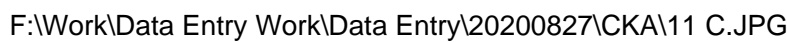
- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Explain solution

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NEW QUESTION 8

Create a busybox pod and add `sleep 3600` command

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

`kubectrl run busybox --image=busybox --restart=Never -- /bin/sh -c "sleep 3600"`

NEW QUESTION 9

For this item, you will have to ssh to the node `ik8s-master-0` and `ik8s-node-0` and complete all tasks on these nodes. Ensure that you return to the base node (`hostname=node-1`) when you have completed this item.

Context

As an administrator of a small development team, you have been asked to set up a Kubernetes cluster to test the viability of a new application.

Task

You must use `kubeadm` to perform this task. Any `kubeadm` invocations will require the use of the `--ignore-preflight-errors=alloption`.

- > Configure the node `ik8s-master-0` as a master node. .
- > Join the node `ik8s-node-0` to the cluster.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

You must use the `kubeadm` configuration file located at `/etc/kubeadm.conf` when initializing your cluster.

You may use any CNI plugin to complete this task, but if you don't have your favourite CNI plugin's manifest URL at hand, Calico is one popular option: <https://docs.projectcalico.org/v3.14/manifests/calico.yaml>

Docker is already installed on both nodes and `apt` has been configured so that you can install the required tools.

NEW QUESTION 10

Scale the deployment `webserver` to 6 pods.

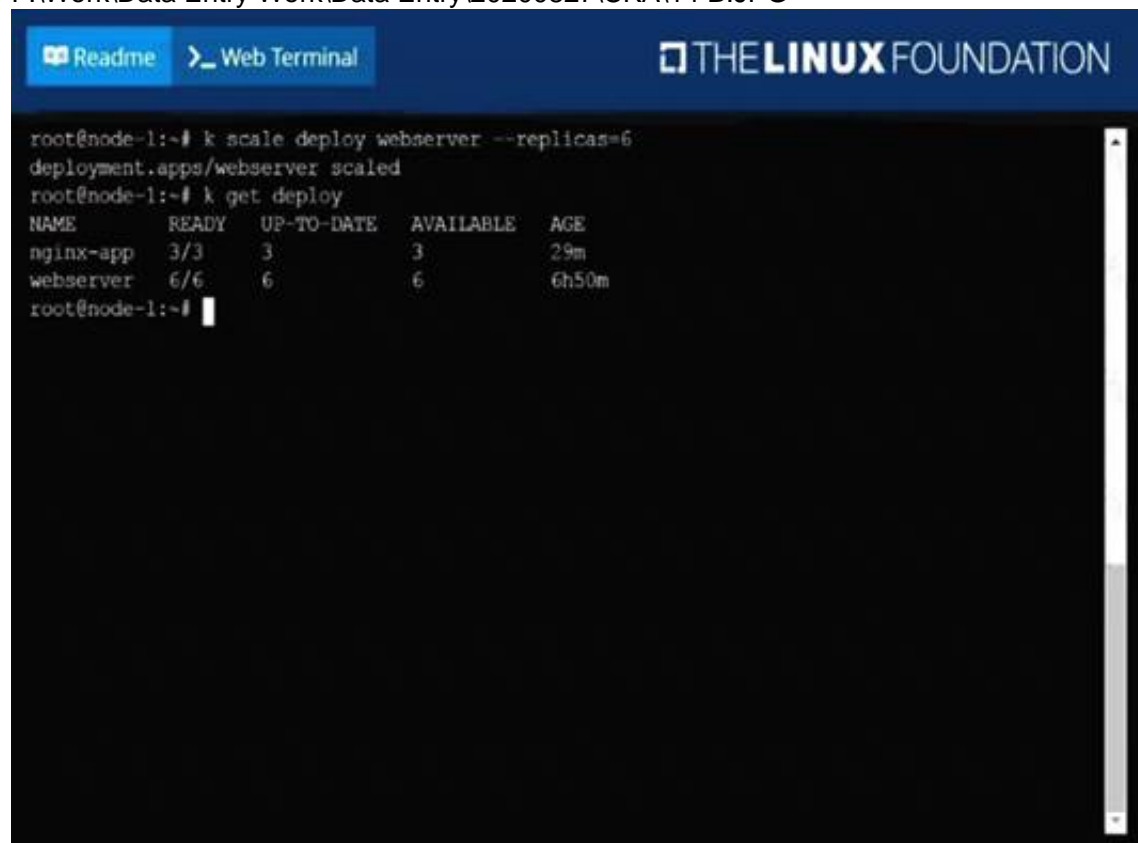
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

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```

root@node-1:~# k scale deploy webserver --replicas=6
deployment.apps/webserver scaled
root@node-1:~# k get deploy
NAME       READY   UP-TO-DATE   AVAILABLE   AGE
nginx-app  3/3     3            3           29m
webserver  6/6     6            6           6h50m
root@node-1:~#
  
```

NEW QUESTION 10

Schedule a pod as follows:

- > Name: `nginx-kusc00101`
- > Image: `nginx`
- > Node selector: `disk=ssd`

- A. Mastered

Answer: A

solution

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Readme

Web Terminal

THE LINUX FOUNDATION

```
root@node-1:~# vim disk.yaml
root@node-1:~# k create -f disk.yaml
pod/nginx-kusc00101 created
root@node-1:~# k get po
NAME                                READY   STATUS    RESTARTS   AGE
cpu-utilizer-98b9se                1/1     Running   0           5h59m
cpu-utilizer-ab2d3s                1/1     Running   0           5h59m
cpu-utilizer-kipb9a                1/1     Running   0           5h59m
ds-kusc00201-2r2k9                 1/1     Running   0           13m
ds-kusc00201-hzm9q                 1/1     Running   0           13m
foo                                1/1     Running   0           6h1m
front-end                          1/1     Running   0           6h1m
hungry-bear                        1/1     Running   0           9m37s
kucc8                              3/3     Running   0           7m37s
nginx-kusc00101                    1/1     Running   0           9s
webserver-84c55967f4-qzjcv         1/1     Running   0           6h16m
webserver-84c55967f4-t479l         1/1     Running   0           6h16m
root@node-1:~#
```

NEW QUESTION 13

Create an nginx pod and list the pod with different levels of verbosity

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

// create a pod

kubectl run nginx --image=nginx --restart=Never --port=80

// List the pod with different verbosity kubectl get po nginx --v=7

kubectl get po nginx --v=8 kubectl get po nginx --v=9

NEW QUESTION 17

Check to see how many worker nodes are ready (not including nodes taintedNoSchedule) and write the number to/opt/KUCC00104/kucc00104.txt.

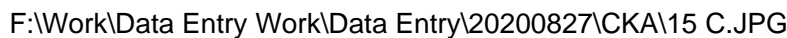
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

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