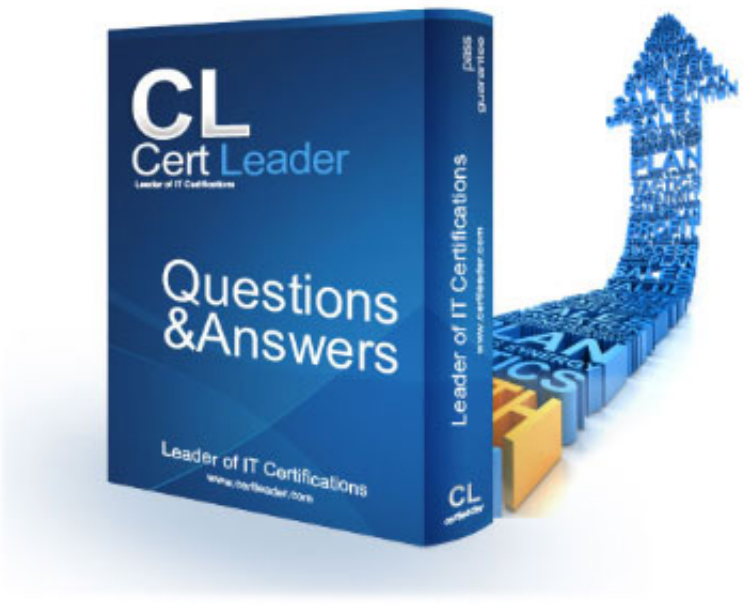
CKA Dumps

Certified Kubernetes Administrator (CKA) Program

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



NEW QUESTION 1
Score: 4%

Task
Create a persistent volume with name app-data , of capacity 1Gi and access mode ReadOnlyMany. The type of volume is hostPath and its location is /srv/app-data .

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Solution:
#vi pv.yaml apiVersion: v1
kind: PersistentVolume metadata:
name: app-config spec:
capacity: storage: 1Gi accessModes:
- ReadOnlyMany hostPath:
path: /srv/app-config
#
kubectl create -f pv.yaml

NEW QUESTION 2
Score: 5%

Task
Monitor the logs of pod bar and:
• Extract log lines corresponding to error file-not-found
• Write them to /opt/KUTR00101/bar

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution:
kubectl logs bar | grep 'unable-to-access-website' > /opt/KUTR00101/bar cat /opt/KUTR00101/bar

NEW QUESTION 3
Schedule a pod as follows:
- Name: nginx-kusc00101
- Image: nginx
- Node selector: disk=ssd

A. Mastered
B. Not Mastered

Answer: A

Explanation:

solution
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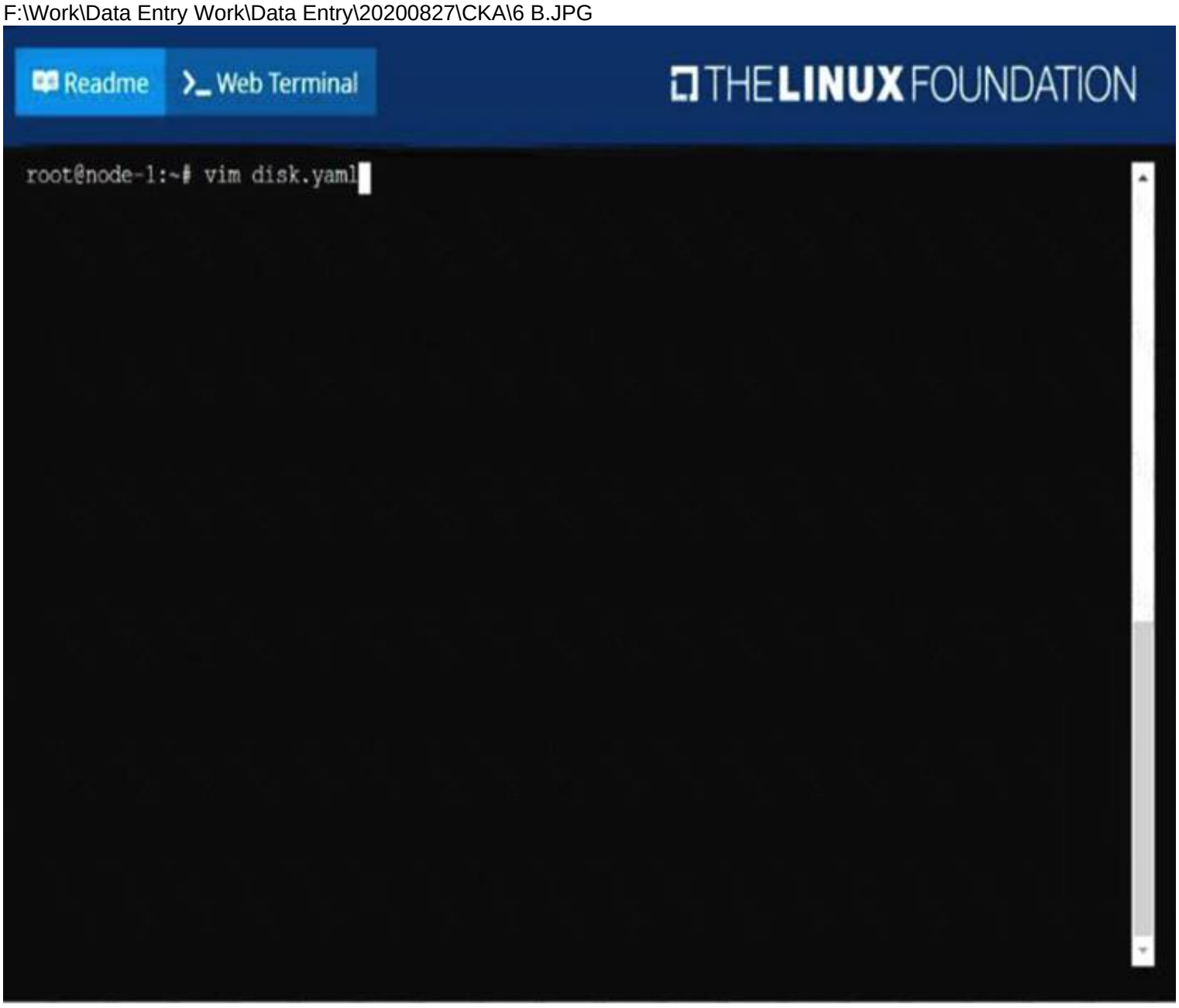

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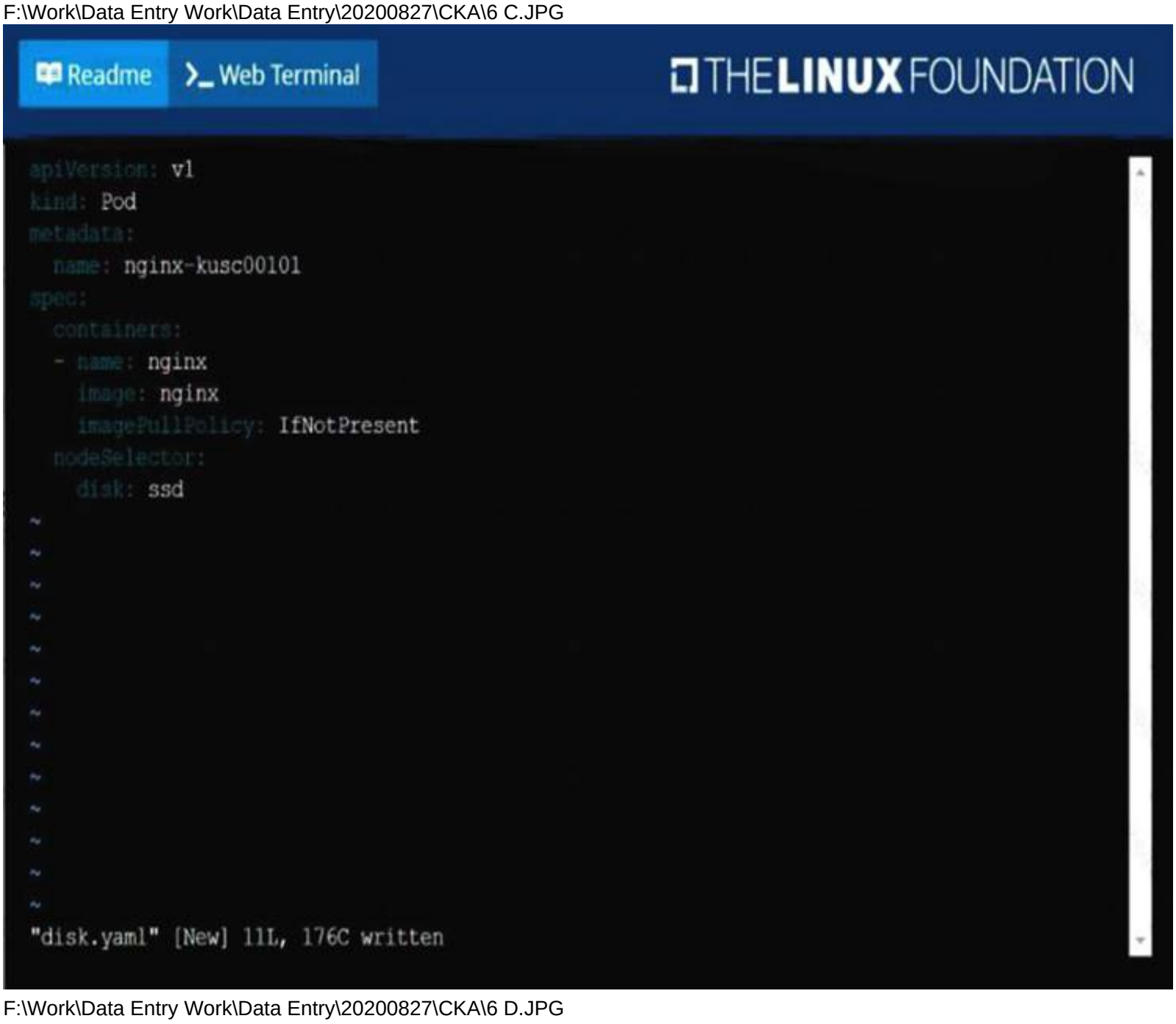

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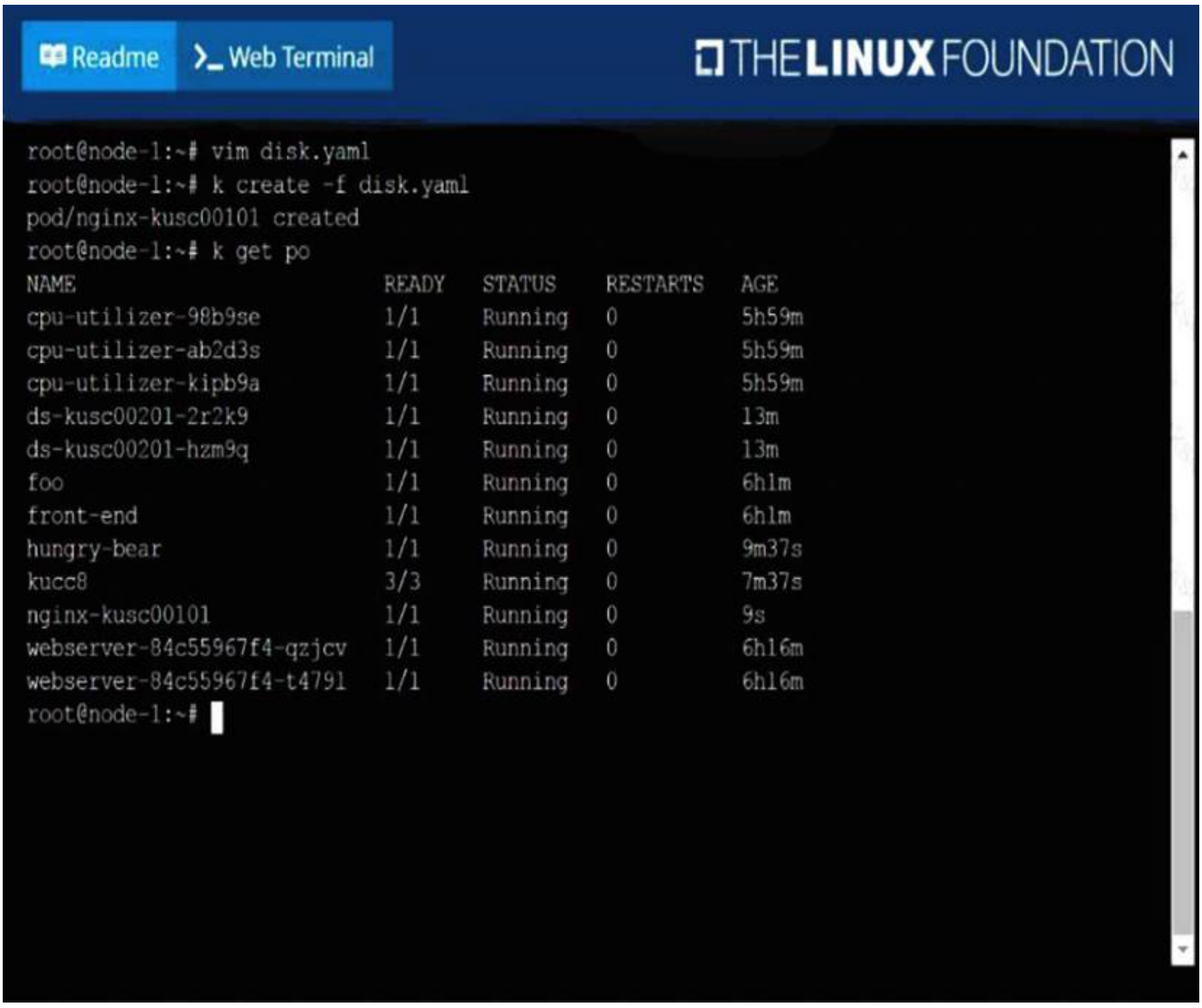

NEW QUESTION 4
Score: 5%

Task
From the pod label name=cpu-utilizer, find pods running high CPU workloads and write the name of the pod consuming most CPU to the file /opt/KUTR00401/KUTR00401.txt (which already exists).

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Solution:
kubectl top -l name=cpu-user -A
echo 'pod name' >> /opt/KUT00401/KUT00401.txt

NEW QUESTION 5
Monitor the logs of pod foo and:
- Extract log lines corresponding to error unable-to-access-website
- Write them to/opt/KULM00201/foo

A. Mastered
B. Not Mastered

Answer: A

Explanation:

solution
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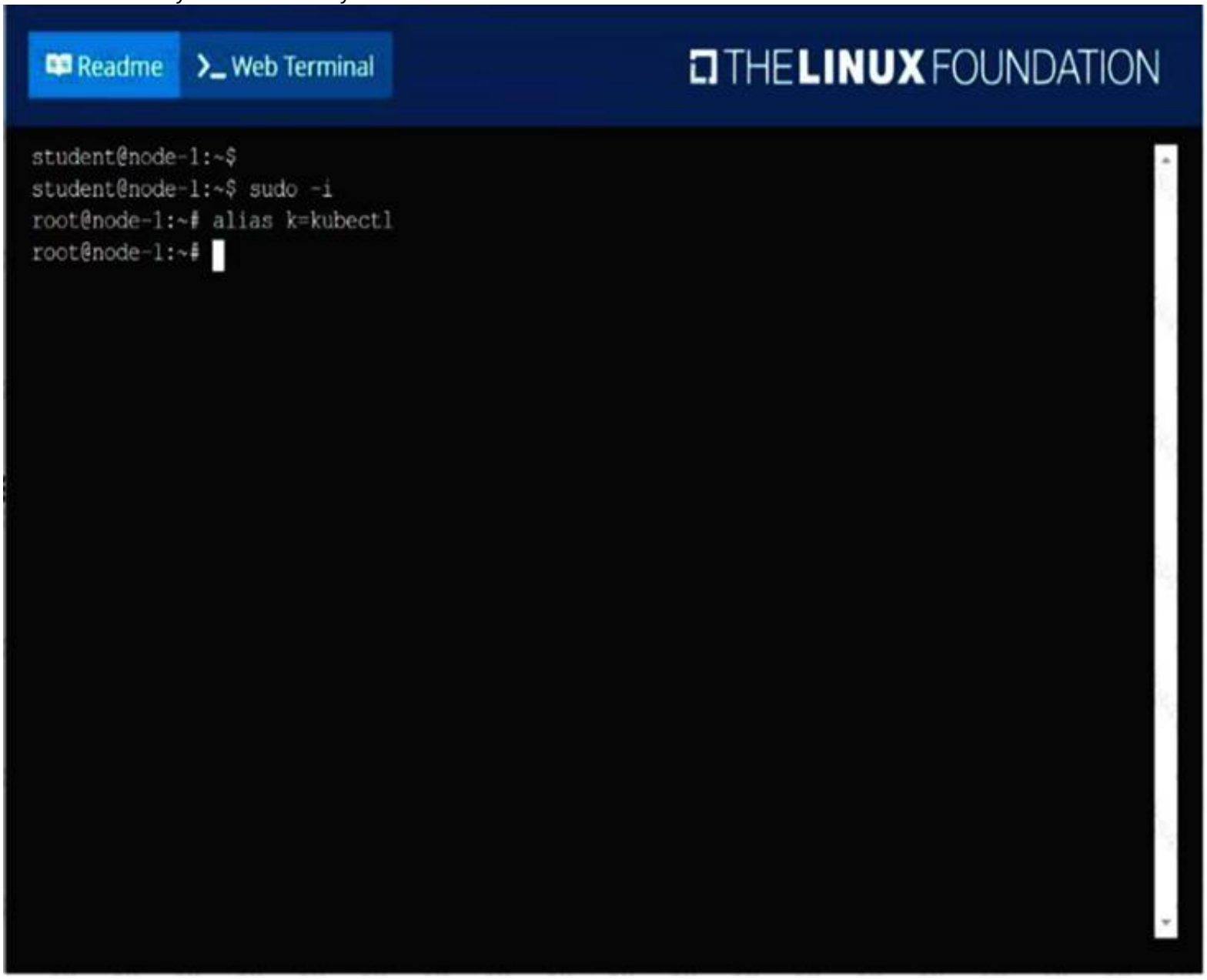

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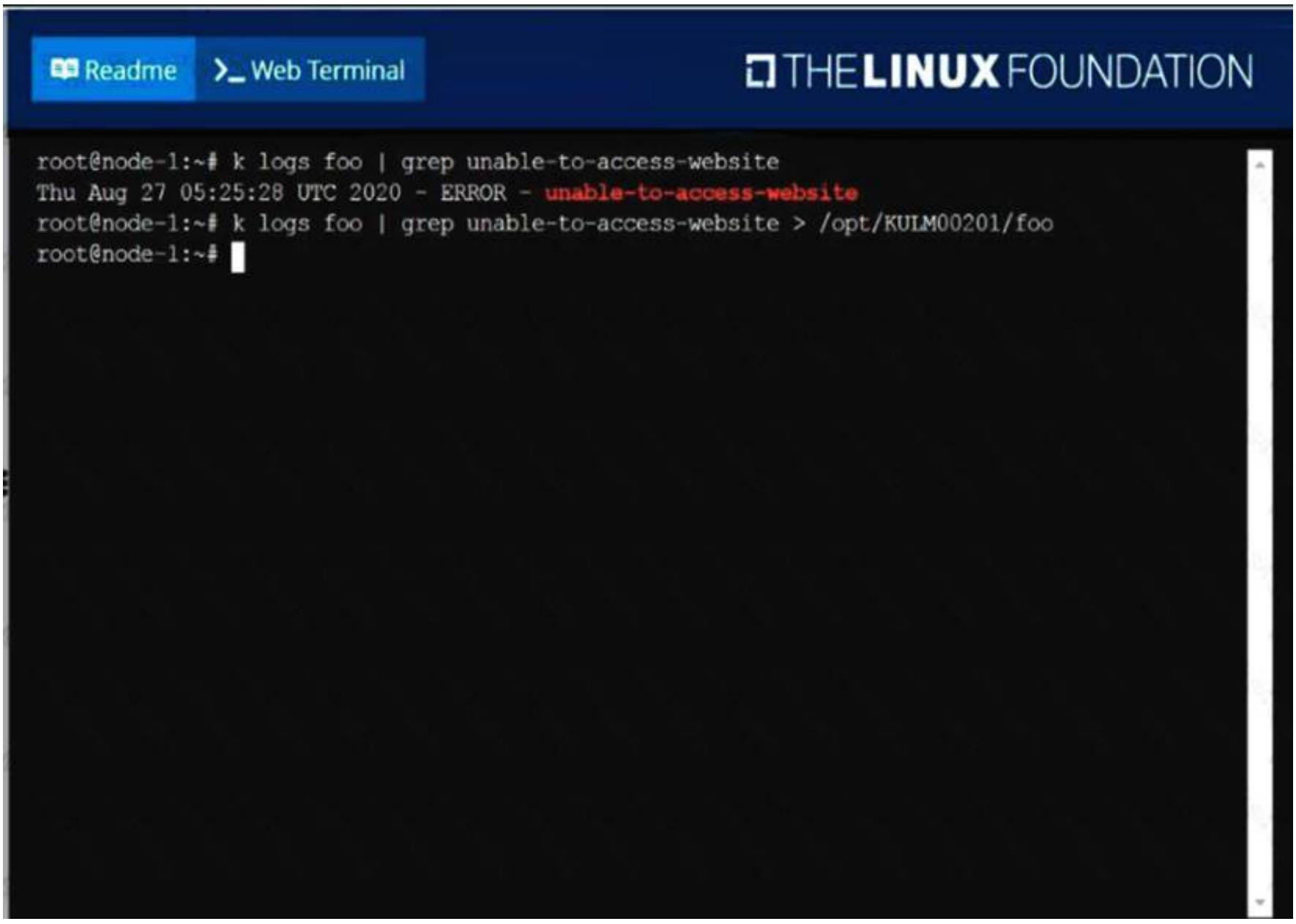

NEW QUESTION 6
Score: 4%

Task
Scale the deployment presentation to 6 pods.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Solution:
kubectl get deployment
kubectl scale deployment.apps/presentation --replicas=6

NEW QUESTION 7
Get IP address of the pod – “nginx-dev”

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Kubect1 get po -o wide Using JsonPath
kubect1 get pods -o=jsonpath='{range items[*]}{.metadata.name}{"\t"}{.status.podIP}{"\n"}{end}'

NEW QUESTION 8
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 9
Check to see how many worker nodes are ready (not including nodes tainted NoSchedule) and write the number to /opt/KUCC00104/kucc00104.txt.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
solution
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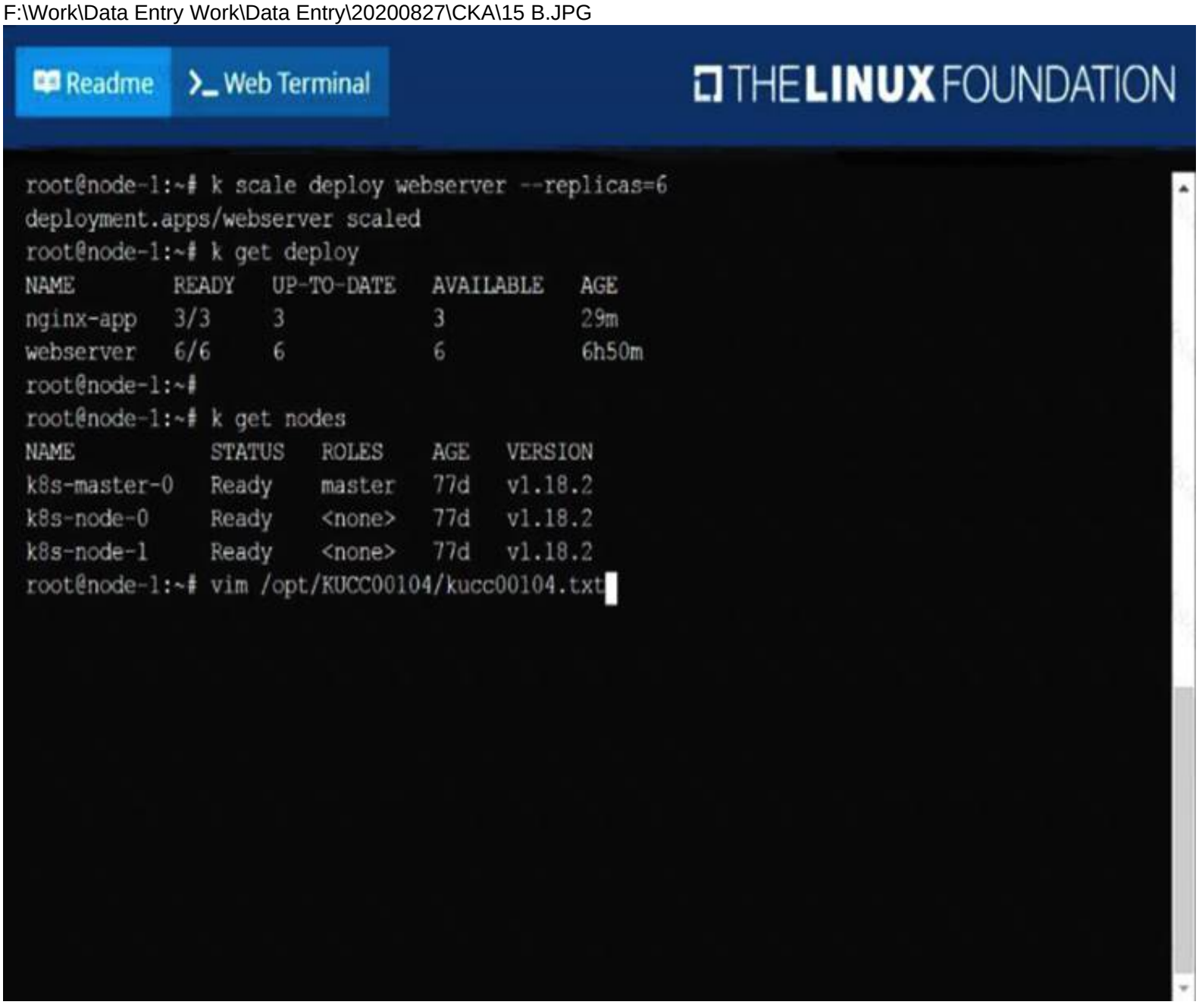

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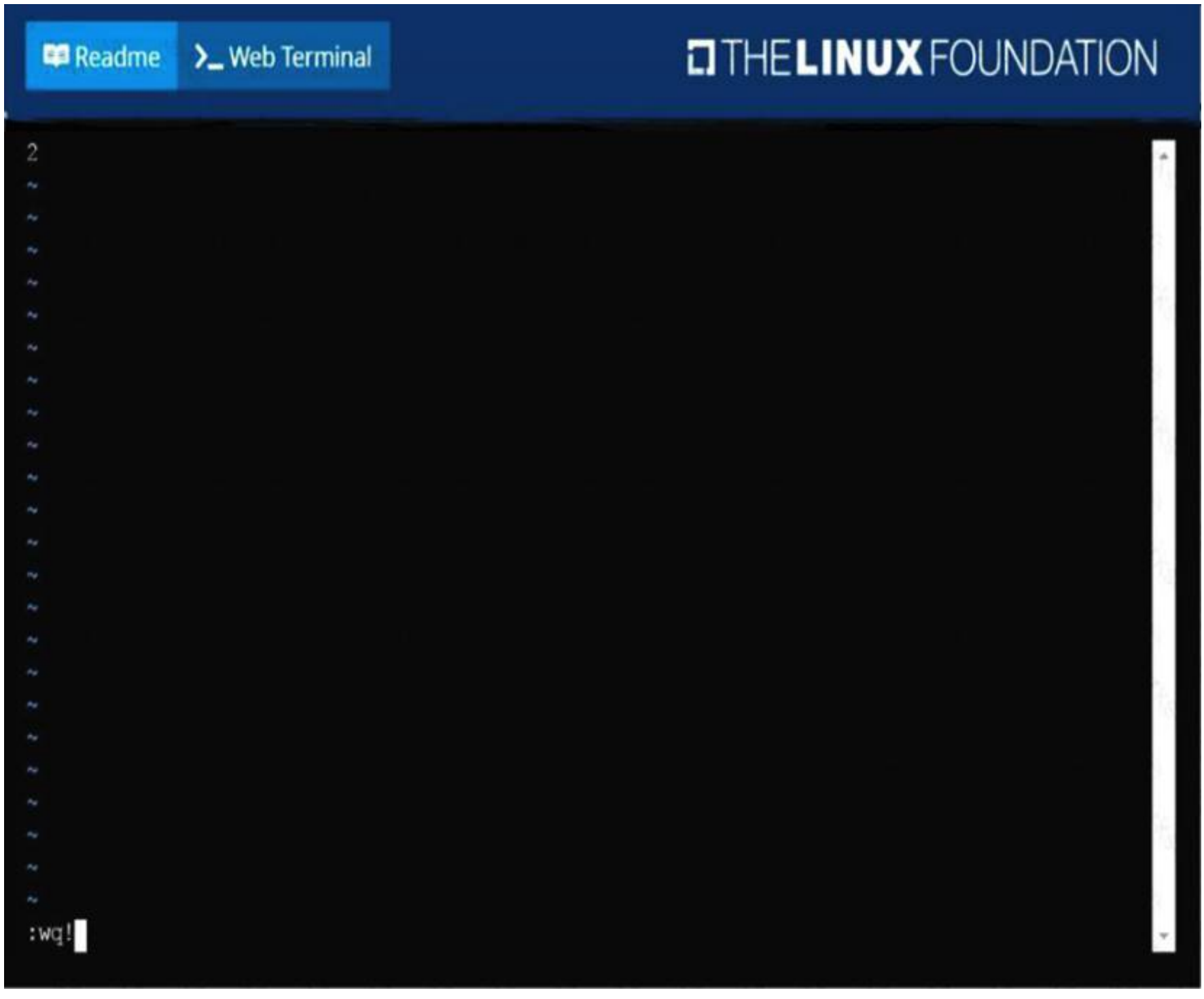

NEW QUESTION 10
Create a pod as follows:

- Name: non-persistent-redis
- container Image: redis
- Volume with name: cache-control
- Mount path: /data/redis

The pod should launch in the staging namespace and the volume must not be persistent.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

solution
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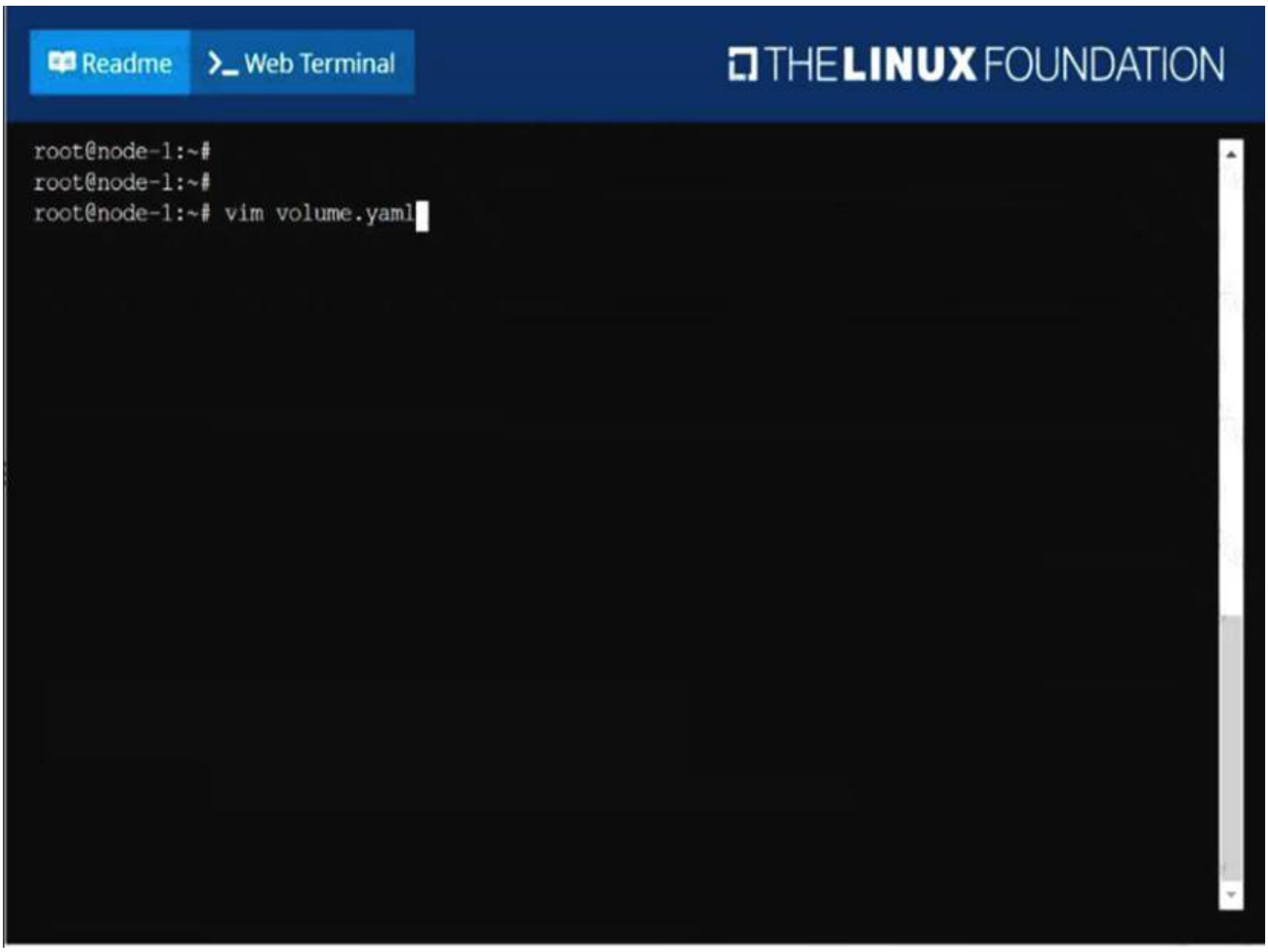

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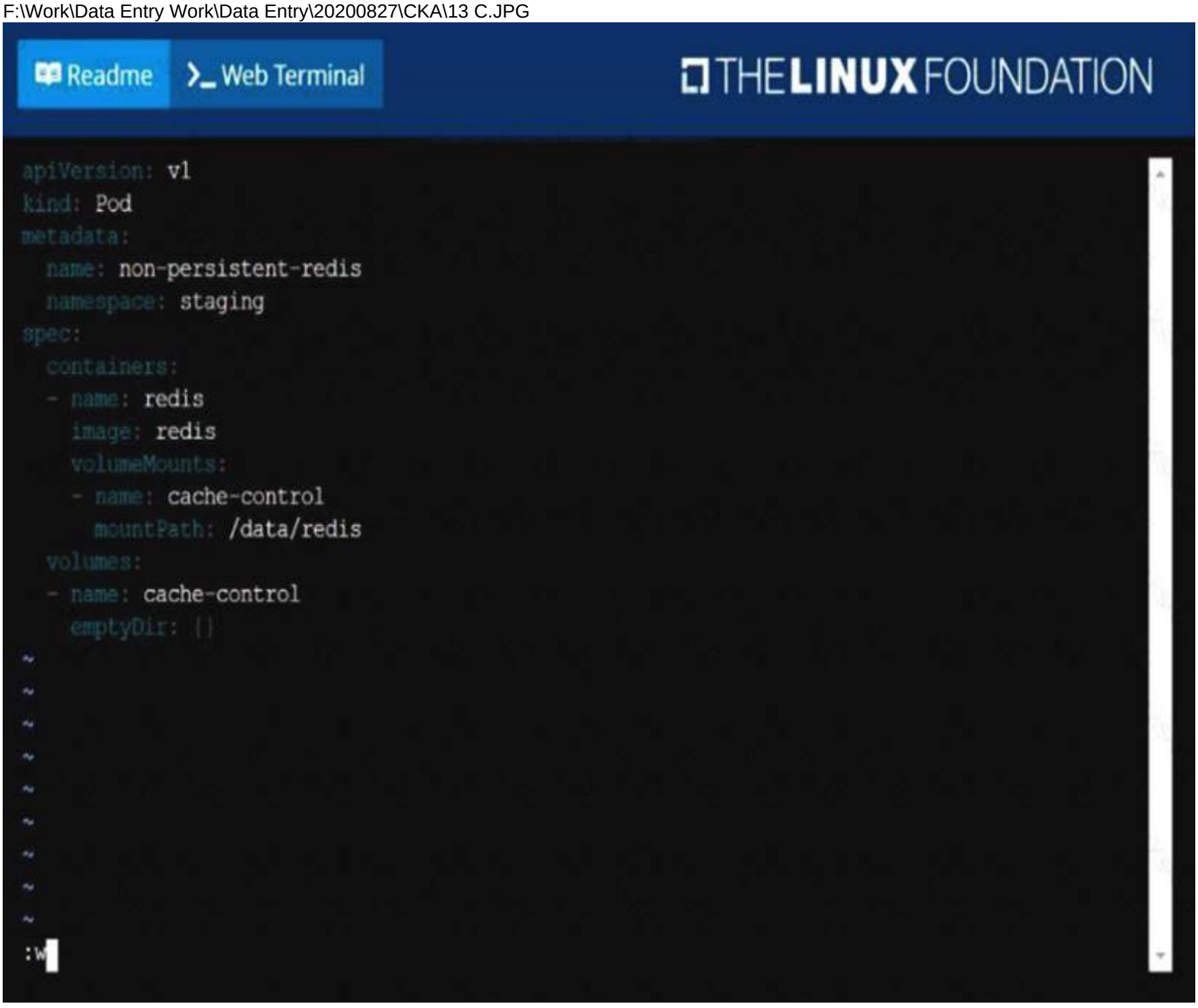

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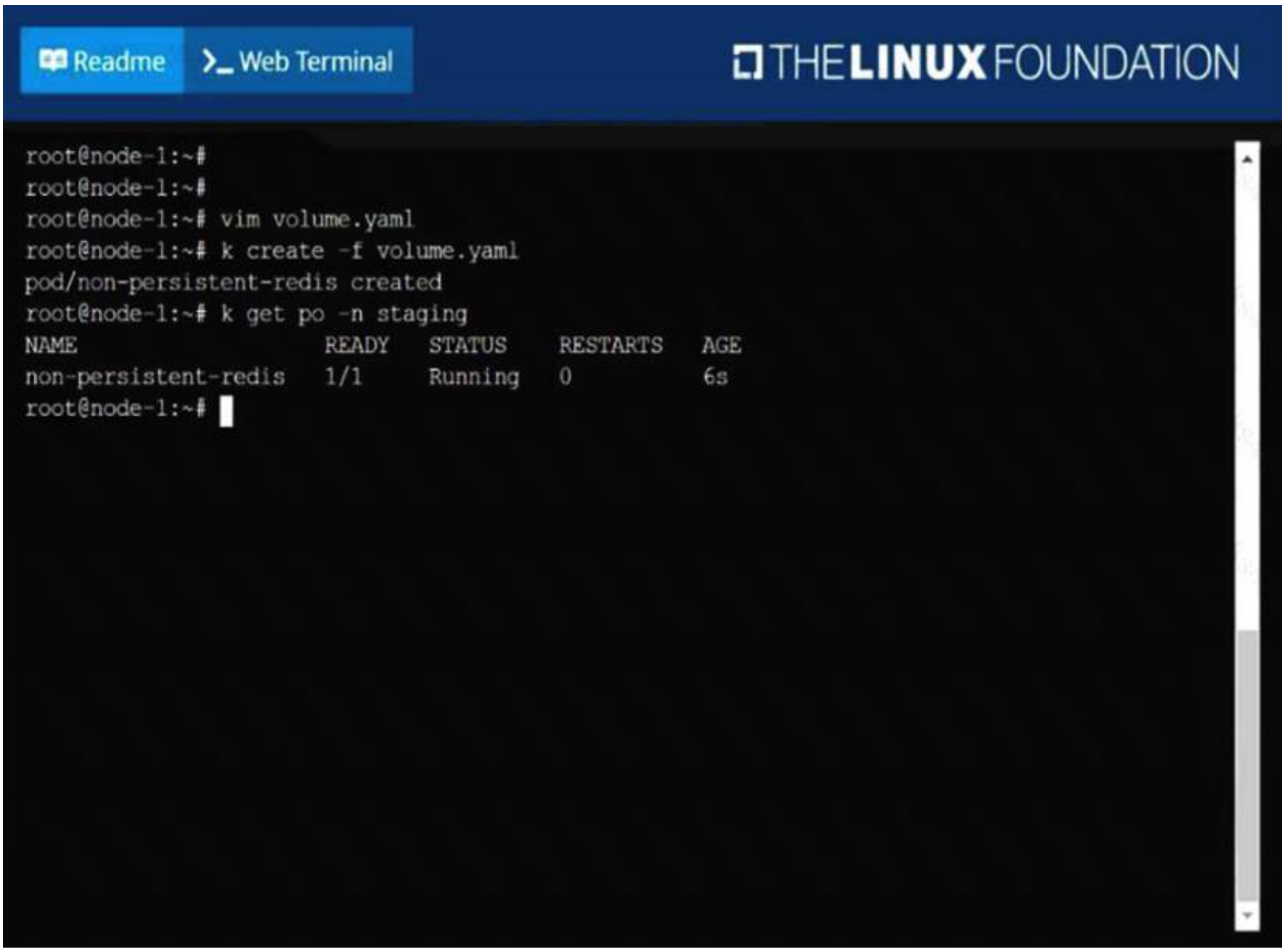
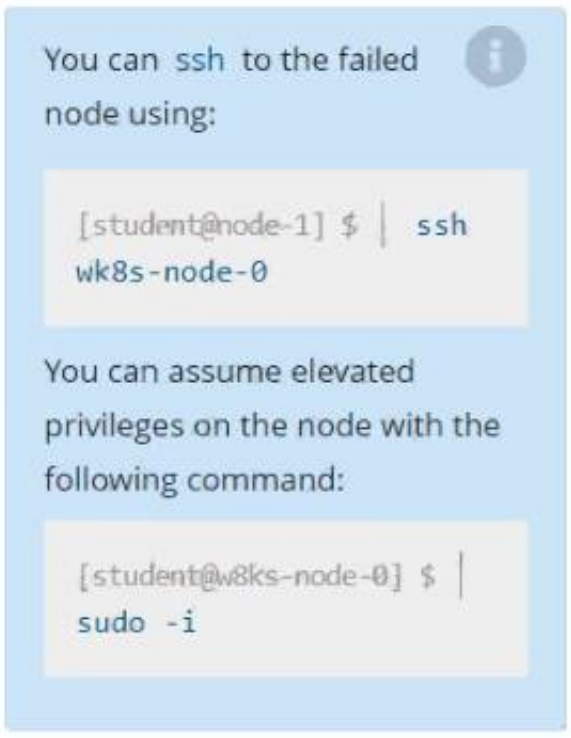


NEW QUESTION 10
Score: 13%

Task
A Kubernetes worker node, named wk8s-node-0 is in state NotReady. Investigate why this is the case, and perform any appropriate steps to bring the node to a Ready state, ensuring that any changes are made permanent.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution:
sudo -i
systemctl status kubelet systemctl start kubelet systemctl enable kubelet

NEW QUESTION 11
Score: 7%

Task
Create a new nginx Ingress resource as follows:
• Name: ping
• Namespace: ing-internal
• Exposing service hi on path /hi using service port 5678

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution:
vi ingress.yaml
#
apiVersion: networking.k8s.io/v1 kind: Ingress
metadata: name: ping
namespace: ing-internal spec:
rules:
- http:
paths:
- path: /hi pathType: Prefix backend: service:
name: hi port:
number: 5678
#
kubectl create -f ingress.yaml

NEW QUESTION 14
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
Score: 4%

Task
Create a pod named kucc8 with 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:
kubectl run kucc8 --image=nginx --dry-run -o yaml > kucc8.yaml
vi kucc8.yaml apiVersion: v1 kind: Pod metadata:
creationTimestamp: null name: kucc8
spec: containers:
- image: nginx name: nginx
- image: redis name: redis
- image: memcached
name: memcached
- image: consul name: consul
#
kubectl create -f kucc8.yaml
#12.07

NEW QUESTION 19
Ensure a single instance of pod nginx is running on each node of the Kubernetes cluster where nginx also represents the Image name which has to be used. Do not override any taints currently in place.
Use DaemonSet to complete this task and use ds-kusc00201 as DaemonSet name.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

solution
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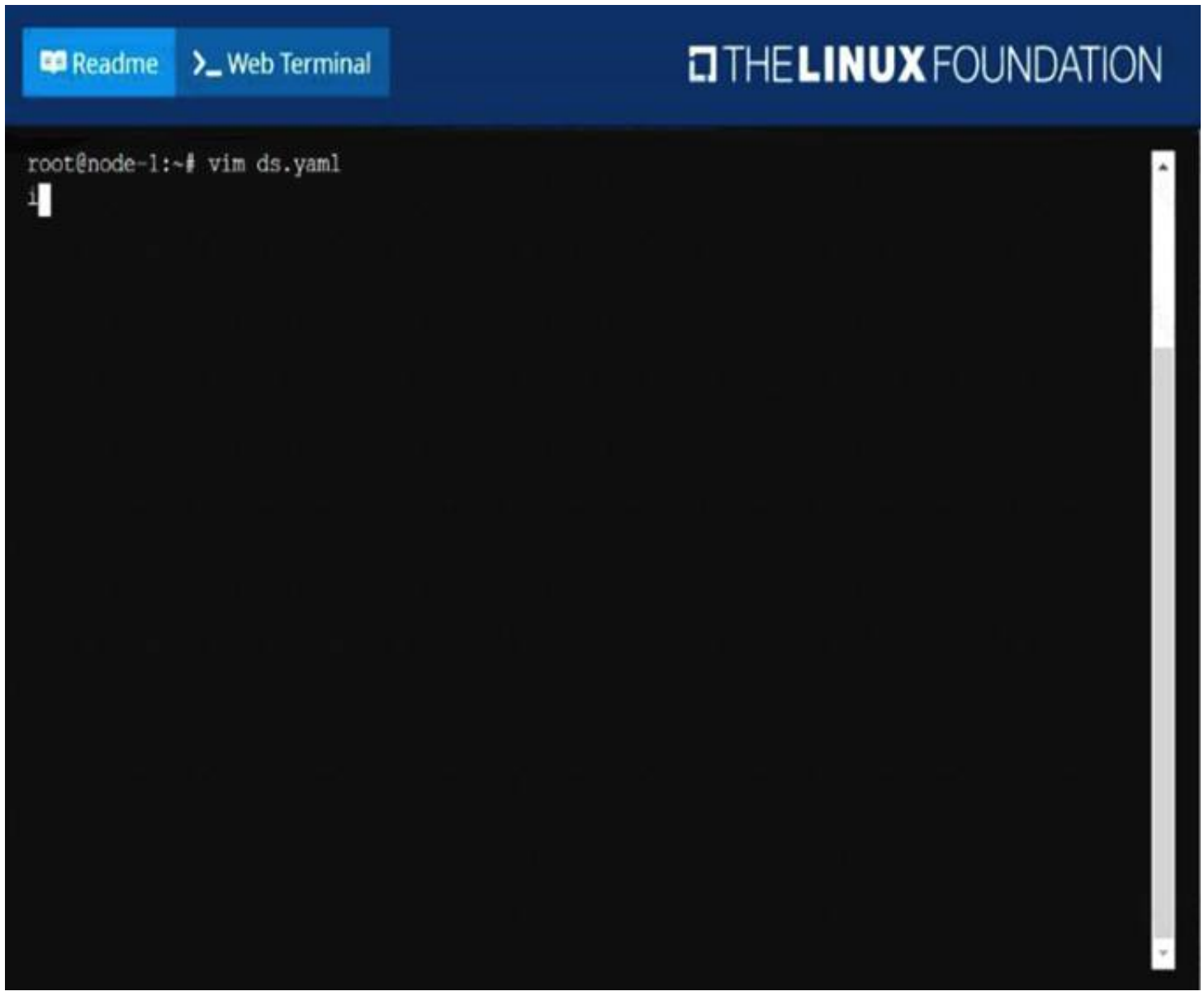

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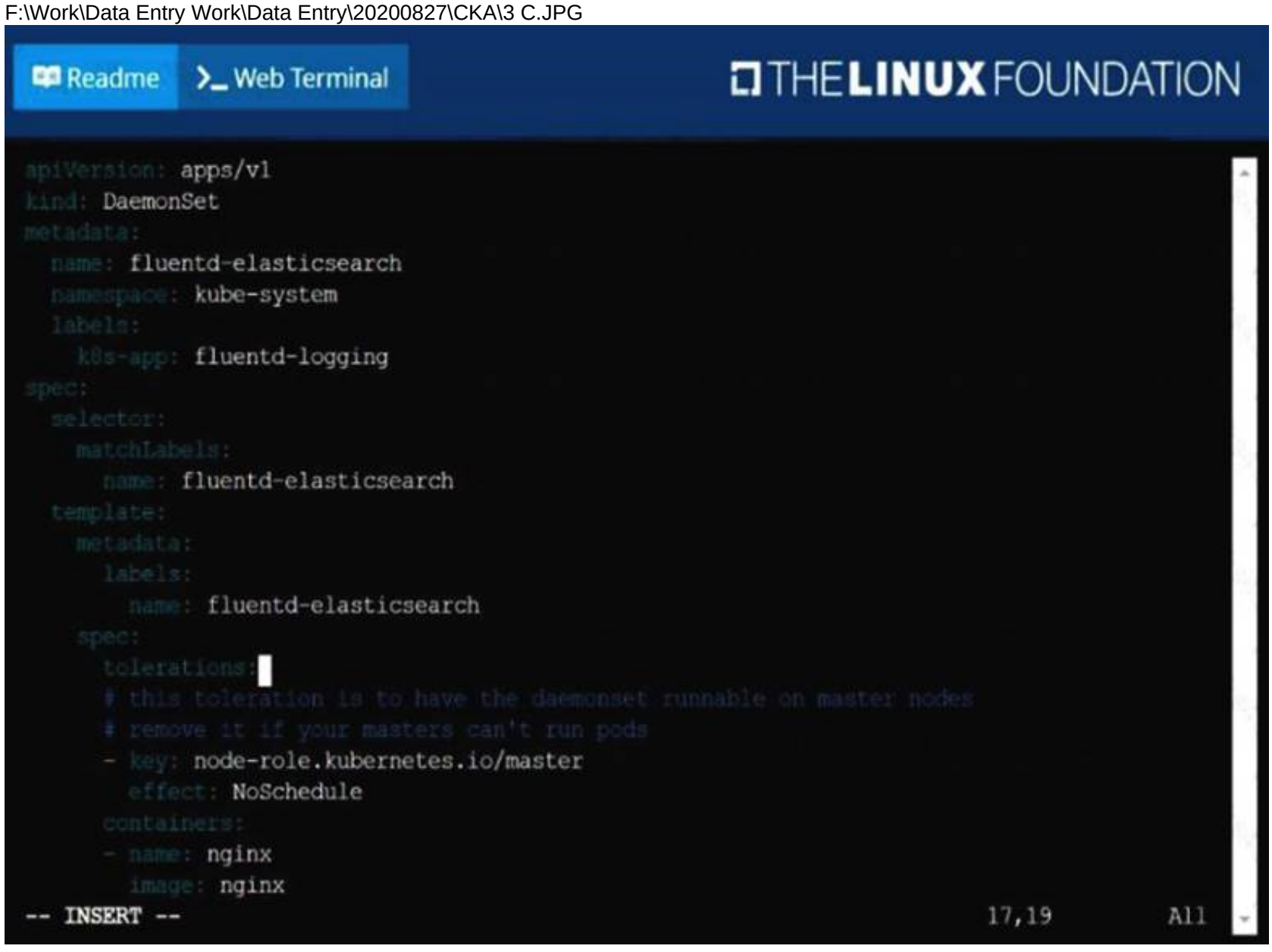

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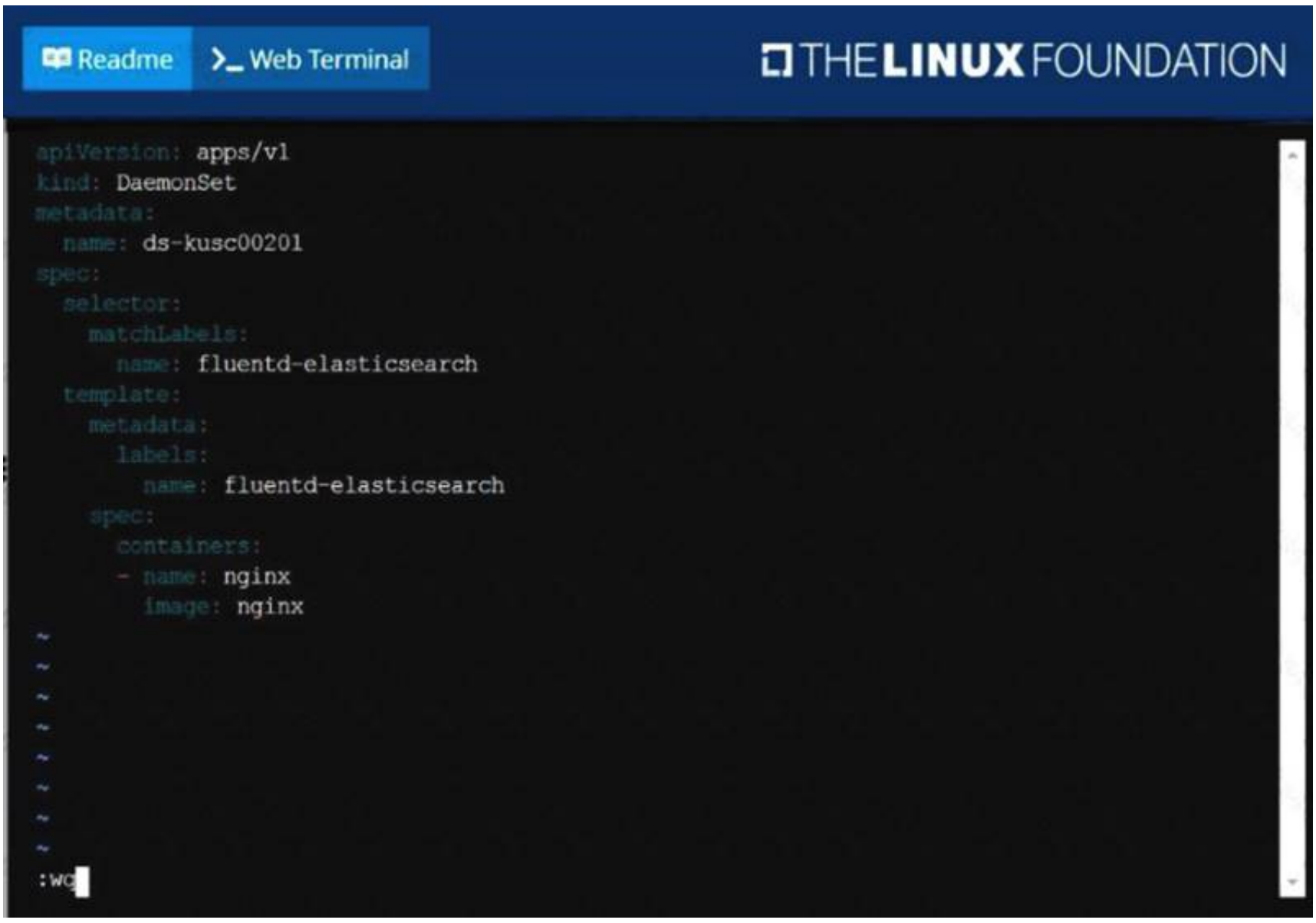

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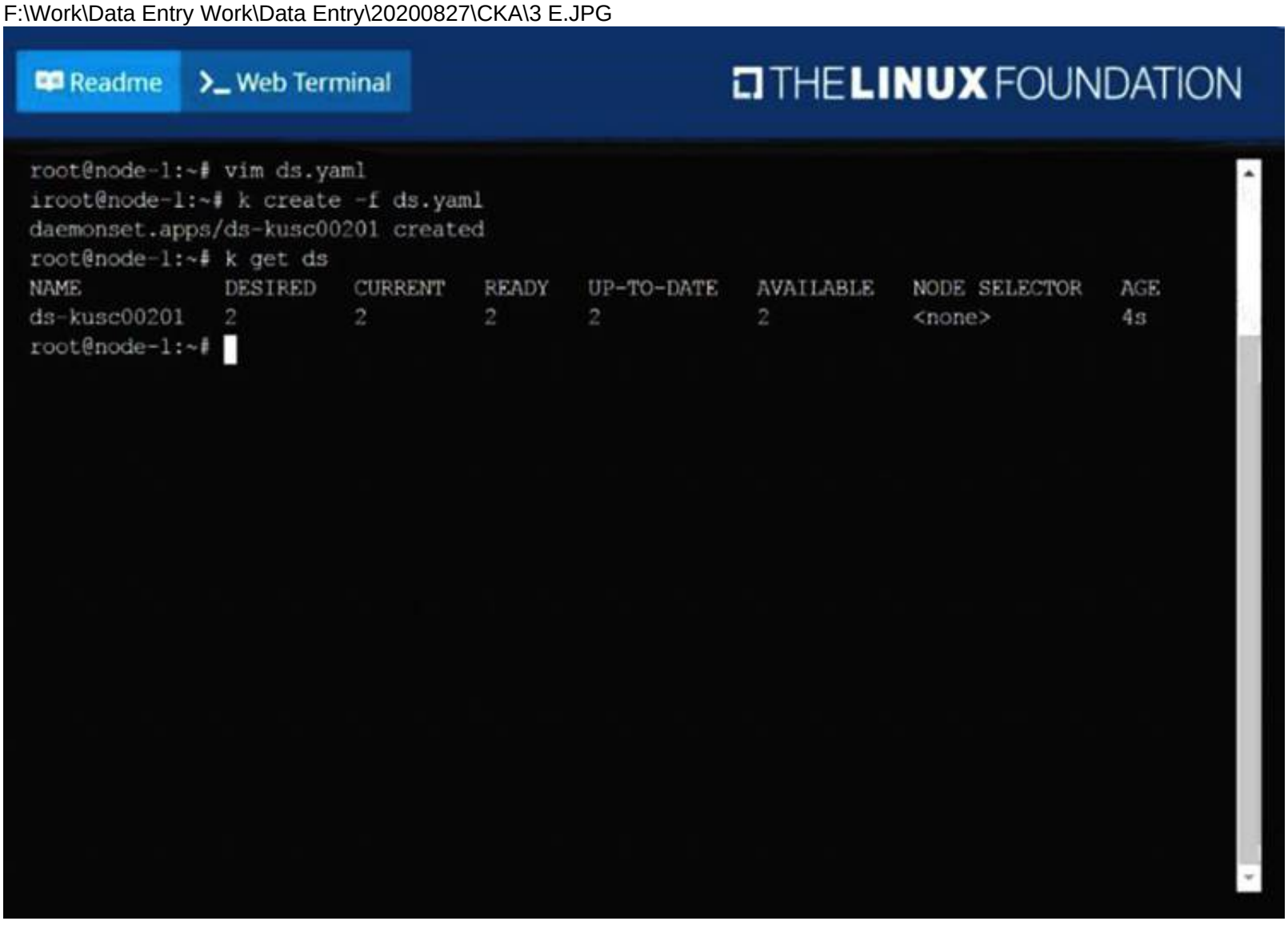


NEW QUESTION 23
Print pod name and start time to “/opt/pod-status” file

A. Mastered
B. Not Mastered

Answer: A

Explanation:
kubect1 get pods -o=jsonpath='{range items[*]}{.metadata.name}{"\t"}{.status.podIP}{"\n"}{end}'

NEW QUESTION 26

List all the pods sorted by created timestamp

A. Mastered
B. Not Mastered

Answer: A

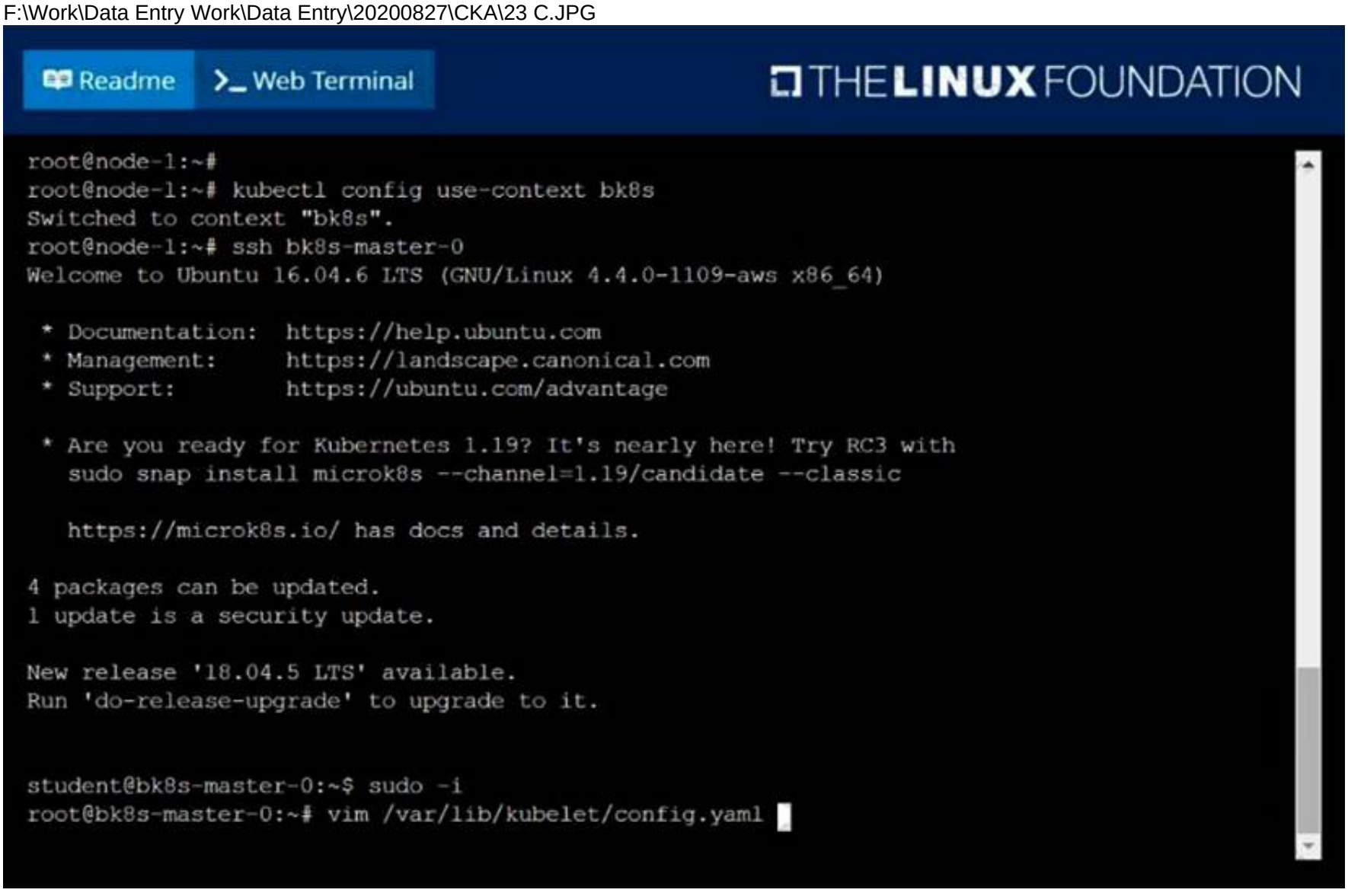
Explanation:
kubect1 get pods--sort-by=.metadata.creationTimestamp

NEW QUESTION 28
Given a partially-functioning Kubernetes cluster, identify symptoms of failure on the cluster.
Determine the node, the failing service, and take actions to bring up the failed service and restore the health of the cluster. Ensure that any changes are made permanently.
You can ssh to the relevant I nodes (bk8s-master-0 or bk8s-node-0) using:
[student@node-1] $ ssh <nodename>
You can assume elevated privileges on any node in the cluster with the following command:
[student@nodename] $ | sudo –i

A. Mastered
B. Not Mastered

Answer: A

Explanation:
solution
F:\Work\Data Entry Work\Data Entry\20200827\CKA\23 C.JPG



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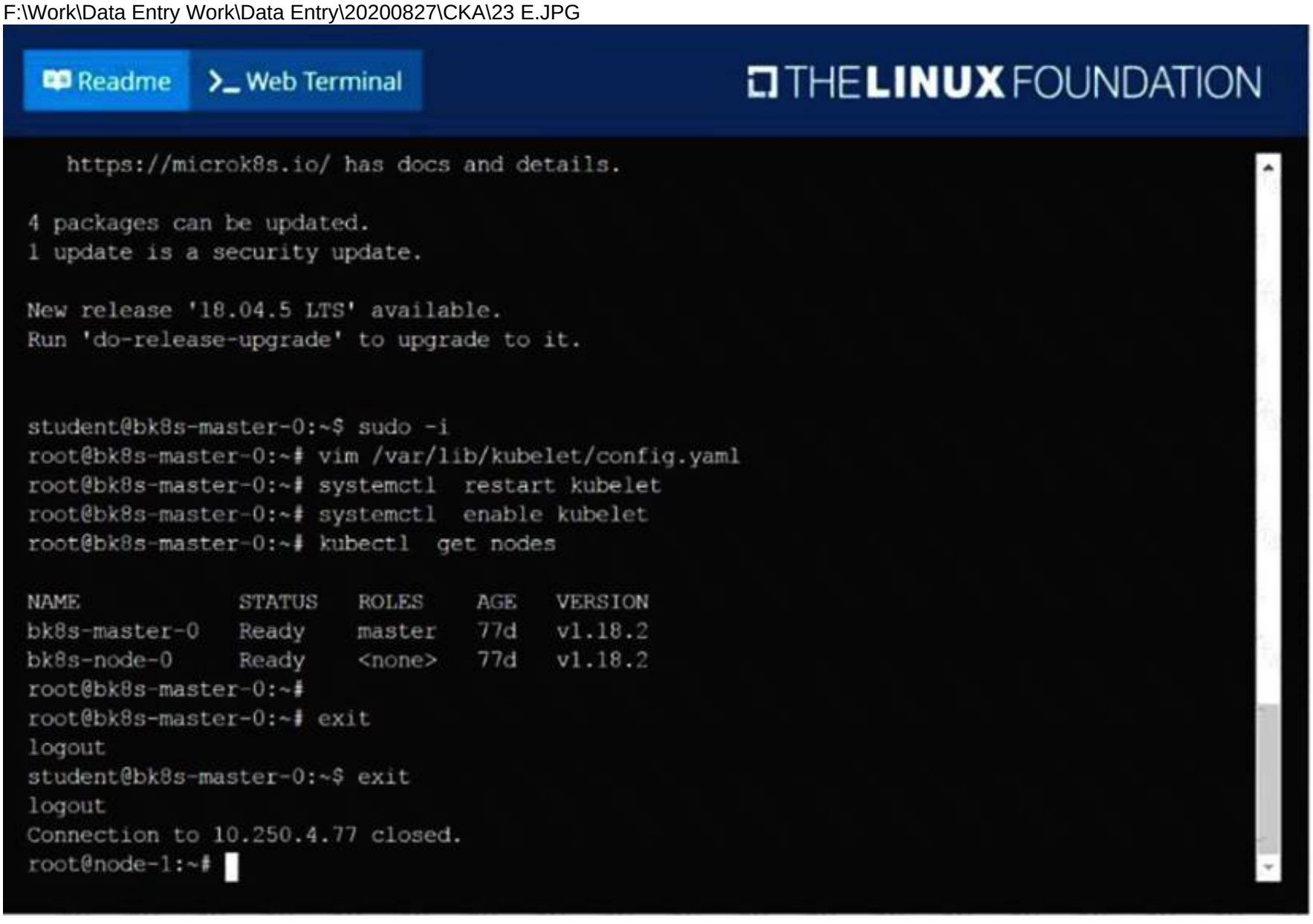

NEW QUESTION 30
List “nginx-dev” and “nginx-prod” pod and delete those pods

A. Mastered
B. Not Mastered

Answer: A

Explanation:
kubect1 get pods -o wide

kubectl delete po “nginx-dev”kubectl delete po “nginx-prod”

NEW QUESTION 34
Create a snapshot of the etcd instance running at https://127.0.0.1:2379, saving the snapshot to the file path /srv/data/etcd-snapshot.db.
The following TLS certificates/key are supplied for connecting to the server with etcdctl:

- CA certificate: /opt/KUCM00302/ca.crt
- Client certificate: /opt/KUCM00302/etcd-client.crt
- Client key: Topt/KUCM00302/etcd-client.key

A. Mastered
B. Not Mastered

Answer: A

Explanation:

solution
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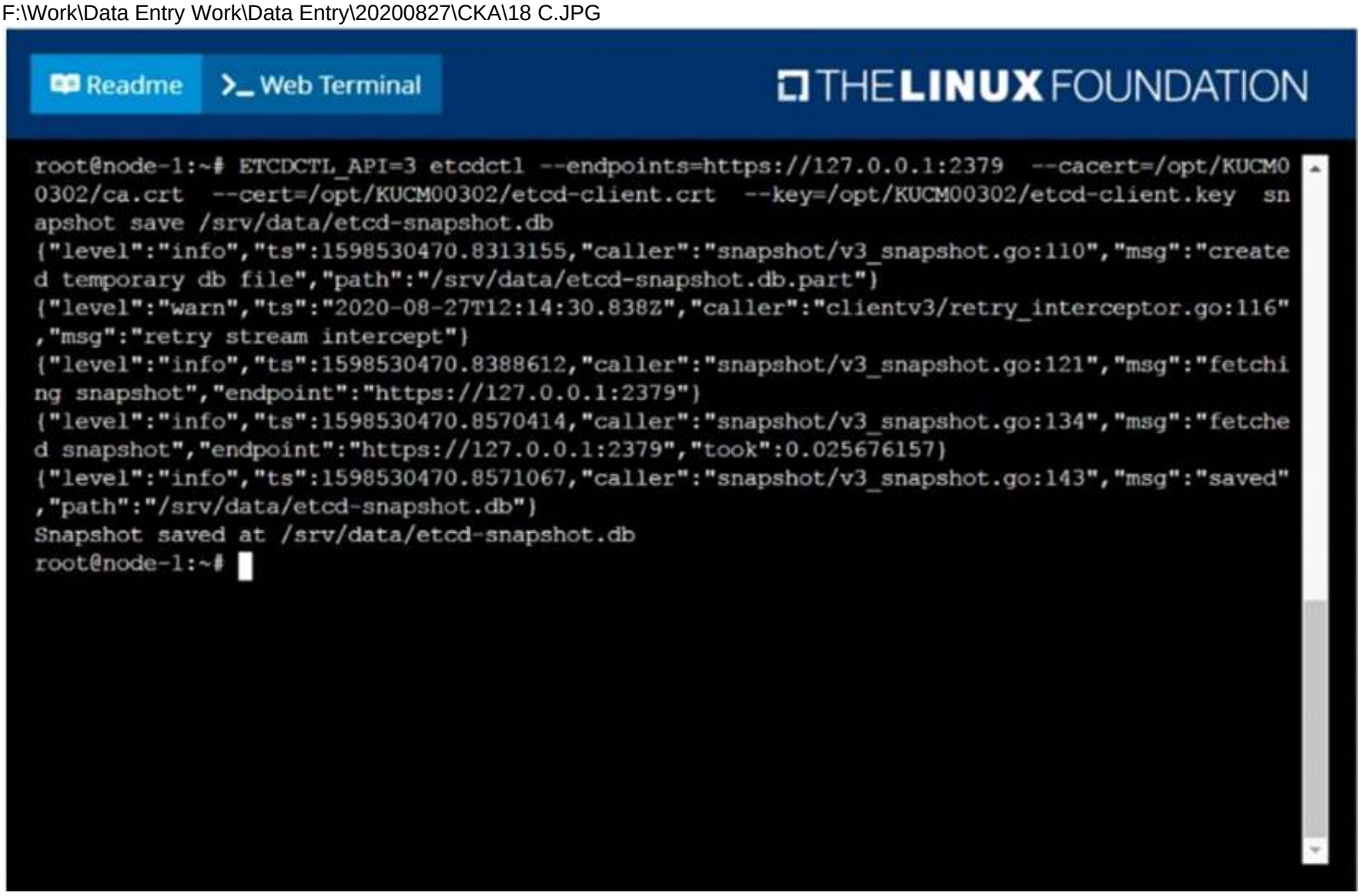

NEW QUESTION 37
Score: 4%

Context
You have been asked to create a new ClusterRole for a deployment pipeline and bind it to a specific ServiceAccount scoped to a specific namespace.
Task
Create a new ClusterRole named deployment-clusterrole, which only allows to create the following resource types:
• Deployment
• StatefulSet
• DaemonSet
Create a new ServiceAccount named cicd-token in the existing namespace app-team1.
Bind the new ClusterRole deployment-clusterrole lo the new ServiceAccount cicd-token , limited to the namespace app-team1.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Solution:
Task should be complete on node k8s -1 master, 2 worker for this connect use command
[student@node-1] > ssh k8s
kubectl create clusterrole deployment-clusterrole --verb=create
--resource=deployments,statefulsets,daemonsets
kubectl create serviceaccount cicd-token --namespace=app-team1
kubectl create rolebinding deployment-clusterrole --clusterrole=deployment-clusterrole
--serviceaccount=default:cicd-token --namespace=app-team1

NEW QUESTION 42
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