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 that echo ??hello world?? and then exists. Have the pod deleted automatically when it??s completed

A. Mastered
B. Not Mastered

Answer: A

Explanation:
kubectl run busybox --image=busybox -it --rm --restart=Never -
/bin/sh -c 'echo hello world'
kubectl get po # You shouldn't see pod with the name "busybox"

NEW QUESTION 3
Monitor the logs of pod foo and:
- Extract log lines correspondingto error unable-to-access-website
- Write them to/opt/KULM00201/foo

A. Mastered
B. Not Mastered

Answer: A

Explanation:

solution
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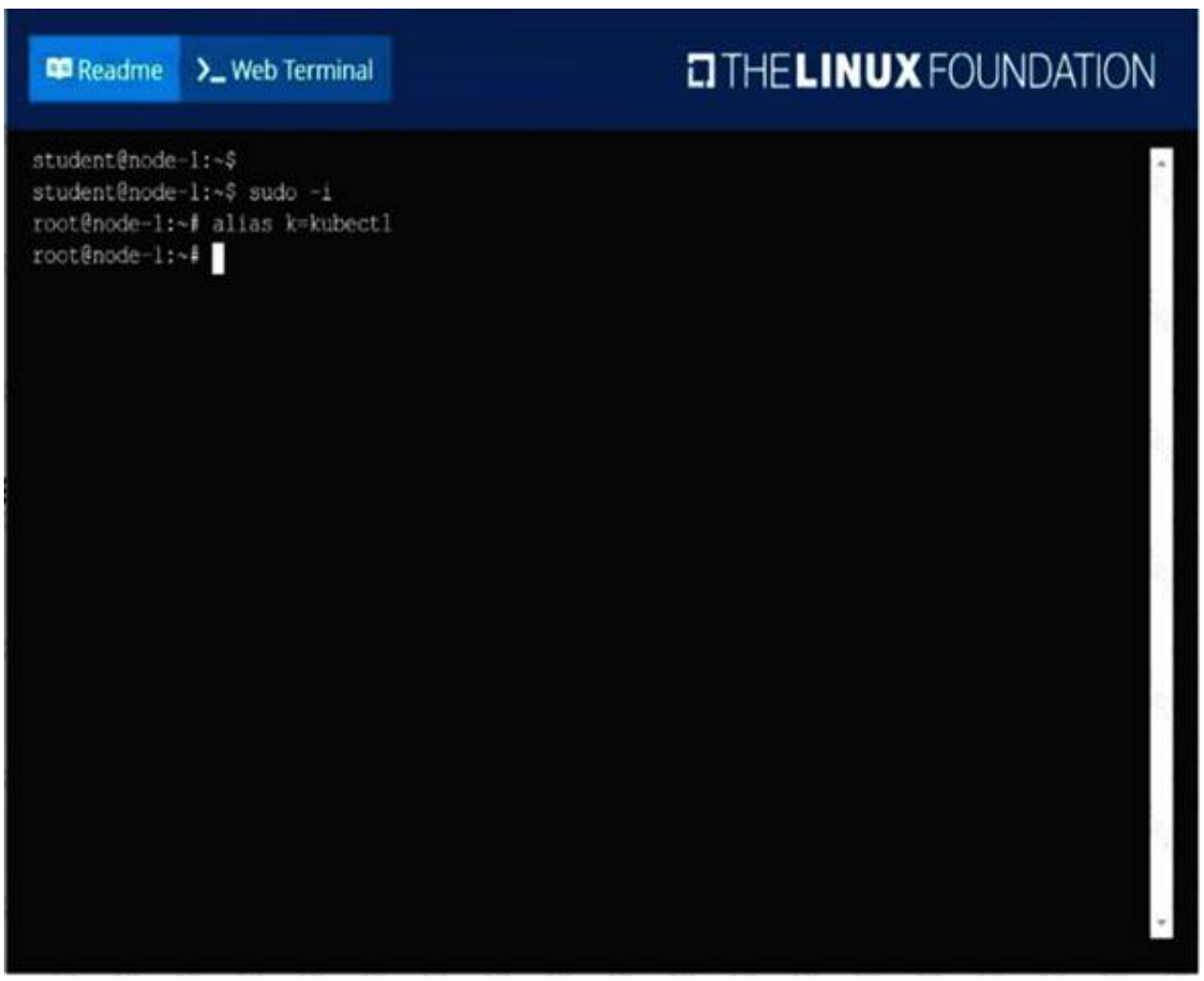

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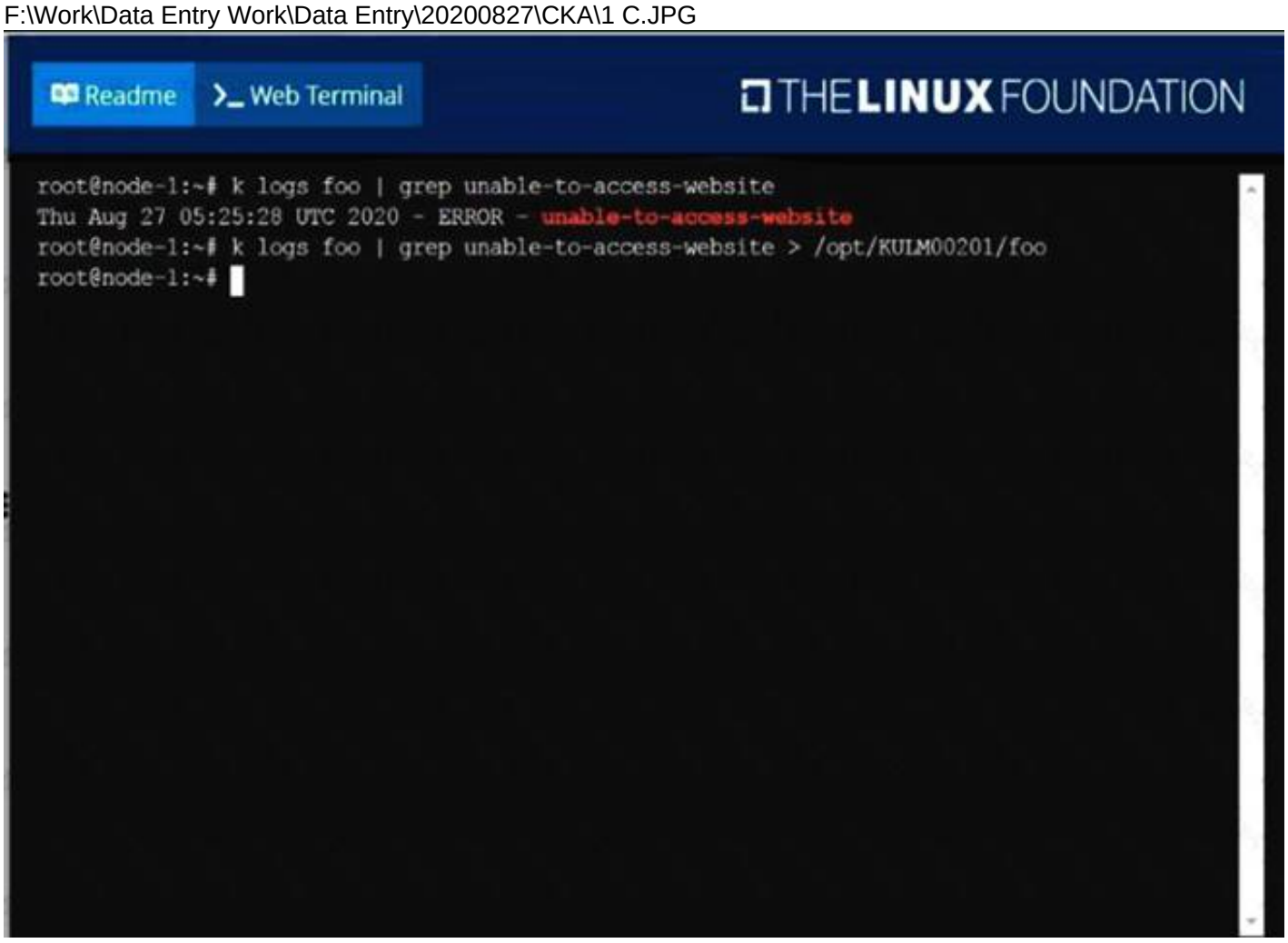

NEW QUESTION 4
Create a nginx pod with label env=test in engineering namespace

A. Mastered
B. Not Mastered

Answer: A

Explanation:
kubectl run nginx --image=nginx --restart=Never --labels=env=test --namespace=engineering --dry-run -o yaml > nginx-pod.yaml
kubectl run nginx --image=nginx --restart=Never --labels=env=test --namespace=engineering --dry-run -o yaml | kubectl create -nengineering-f ?C
YAML File: apiVersion: v1 kind: Pod metadata: name: nginx
namespace: engineering labels:
env: test spec: containers:
- name: nginx image: nginx
imagePullPolicy: IfNotPresent restartPolicy: Never
kubectl create -f nginx-pod.yaml

NEW QUESTION 5
Create a busybox pod that runs the command ??env?? and save the output to ??envpod?? file

A. Mastered
B. Not Mastered

Answer: A

Explanation:
kubectl run busybox --image=busybox --restart=Never ?C-rm -it -- env > envpod.yaml

NEW QUESTION 6
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 7
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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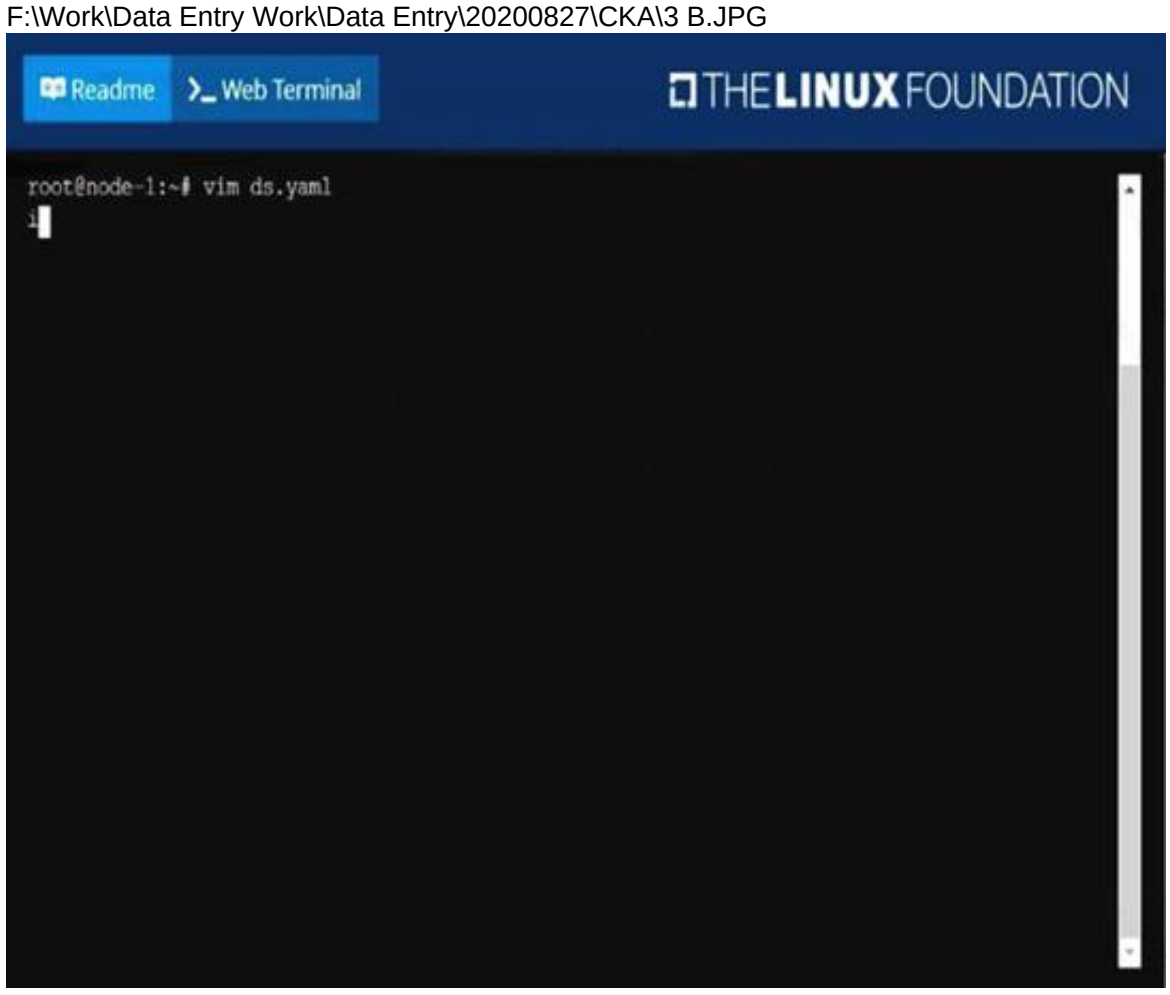

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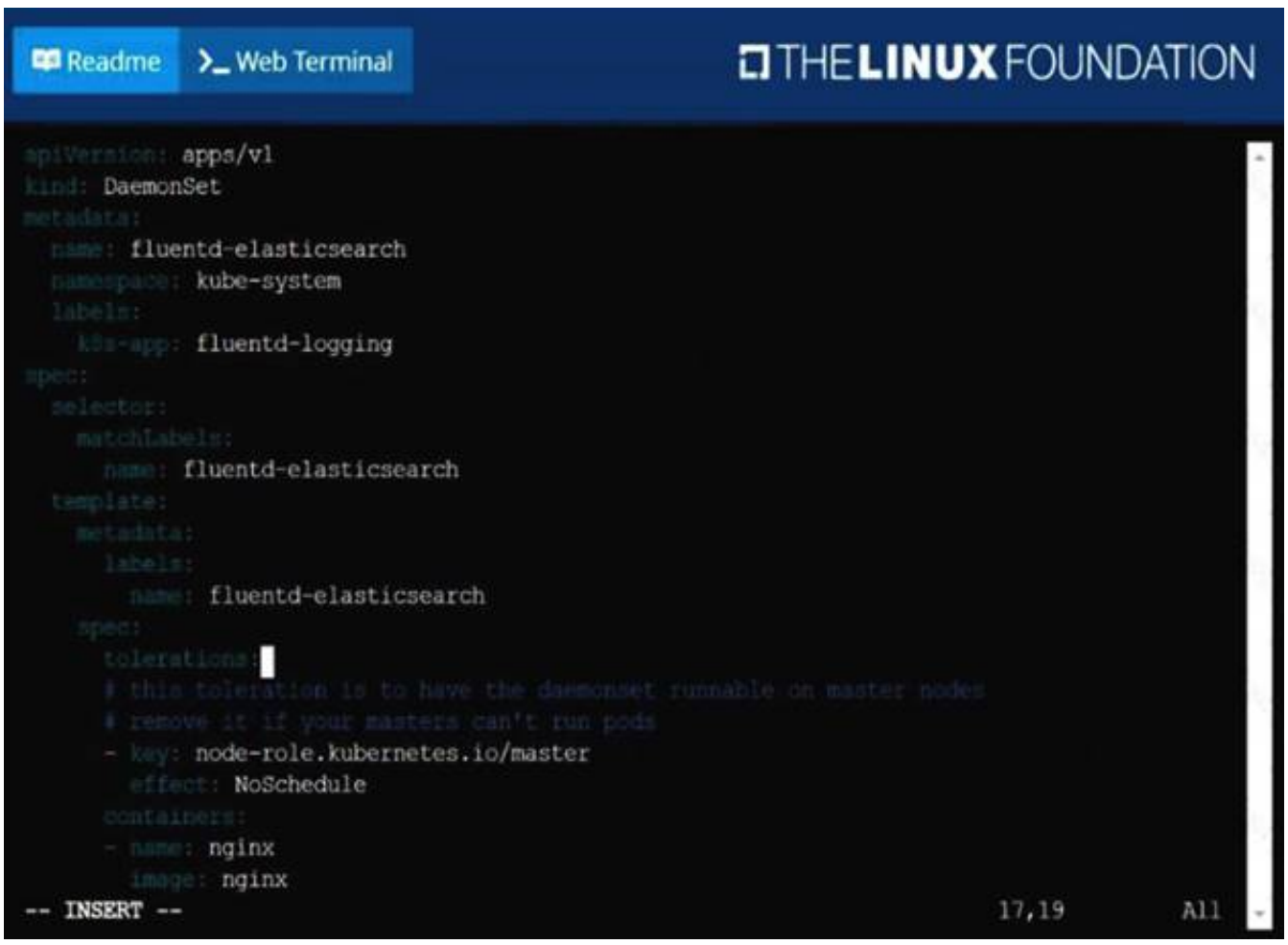

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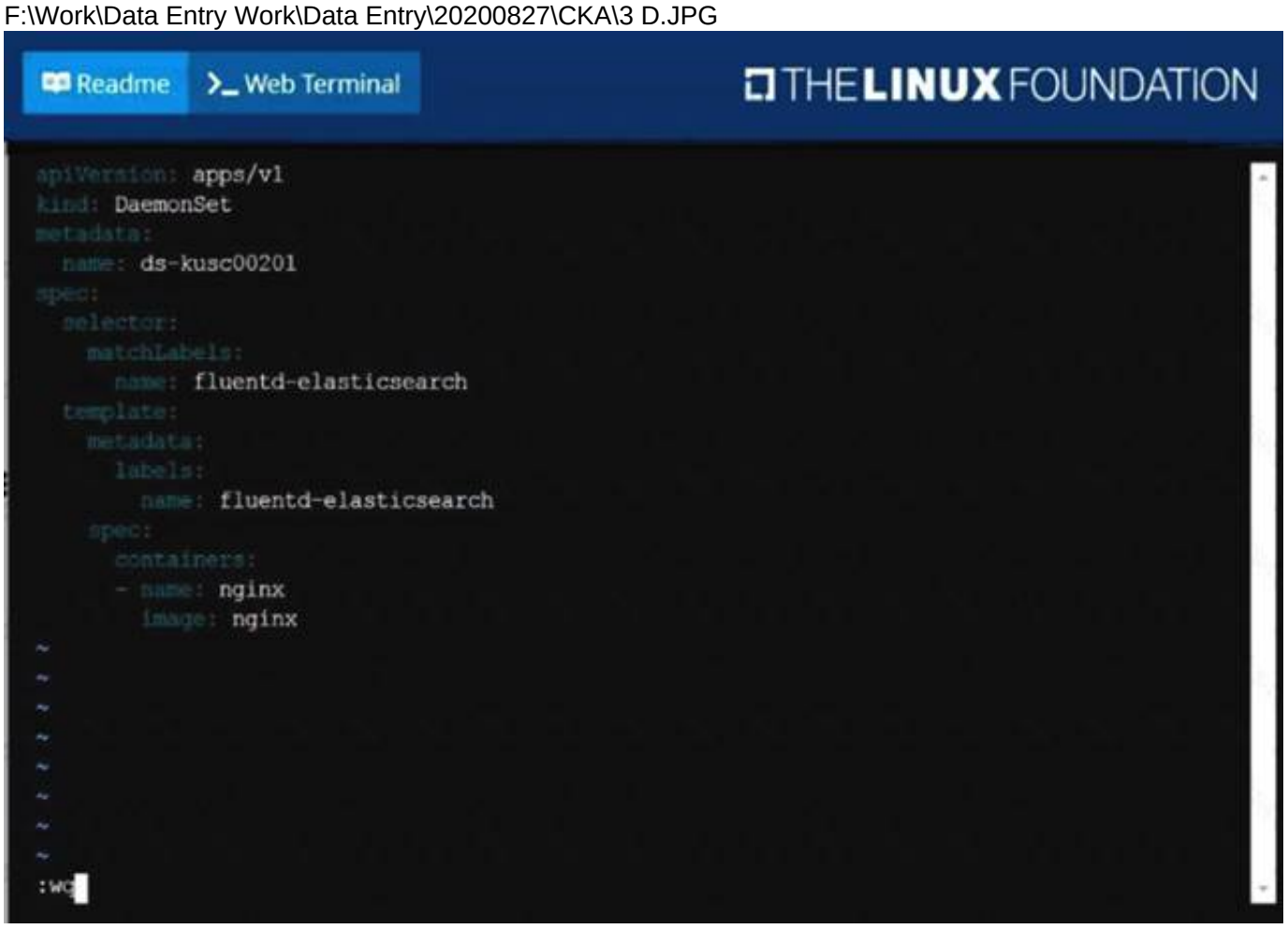

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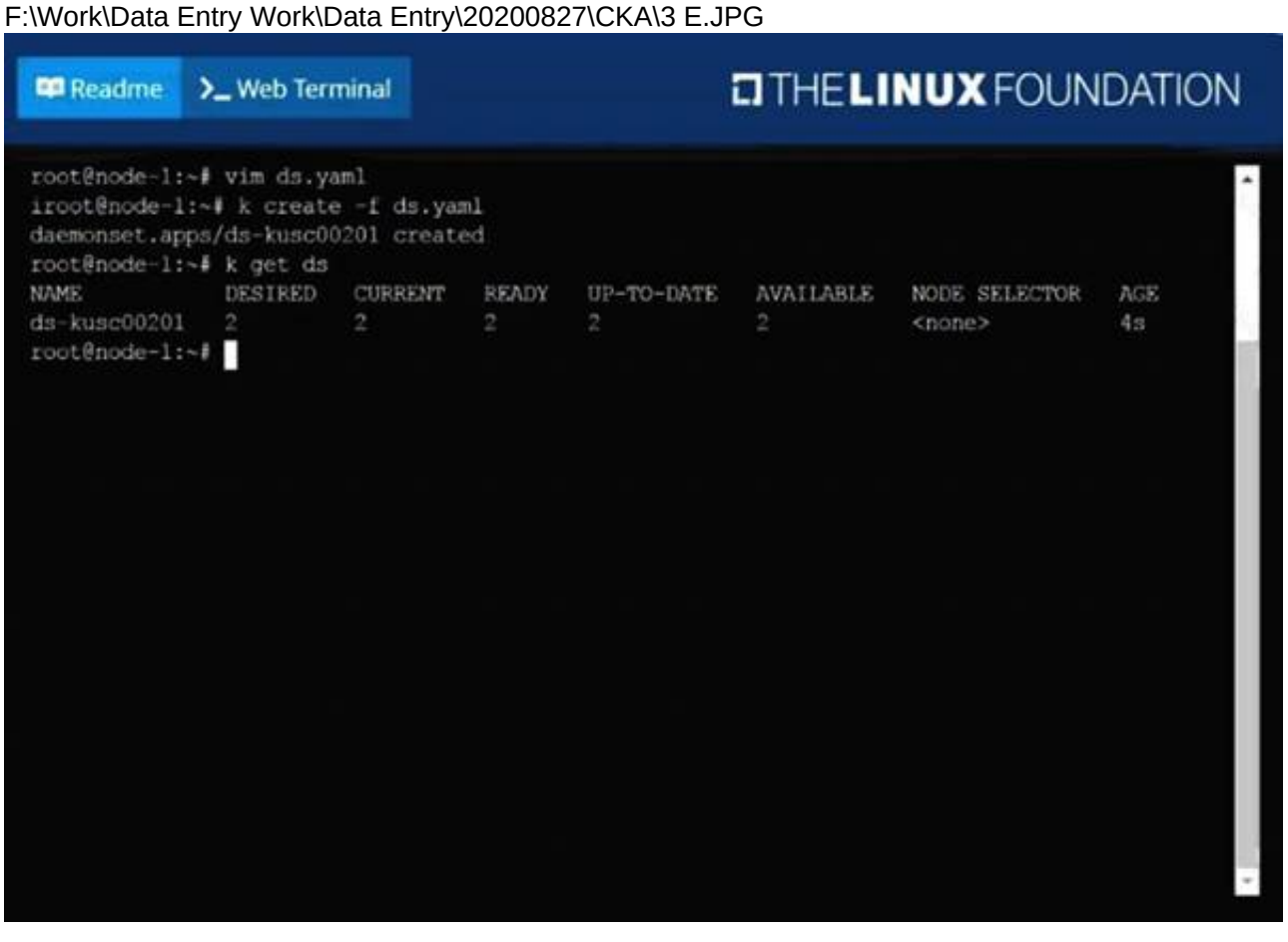

NEW QUESTION 8
A Kubernetes worker node, namedwk8s-node-0is in stateNotReady.Investigate why this is the case, andperform any appropriate steps tobring the node to aReadystate,ensuring that any changes are madepermanent.
You cansshto the failednode using:
[student@node-1] $ | sshWk8s-node-0
You can assume elevatedprivileges on the node with thefollowing command:
[student@w8ks-node-0] $ |sudo ?Ci

A. Mastered
B. Not Mastered

Answer: A

Explanation:
solution
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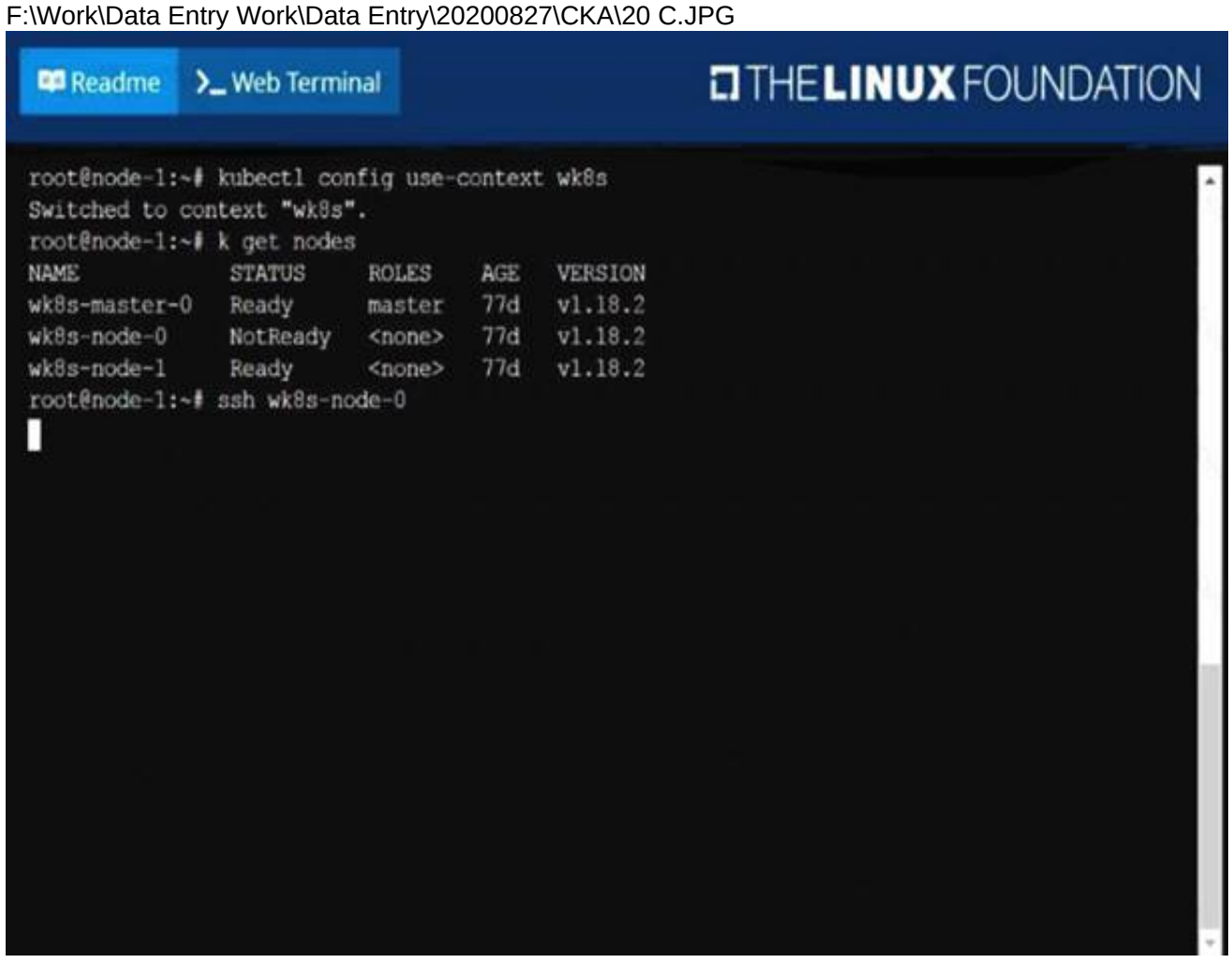

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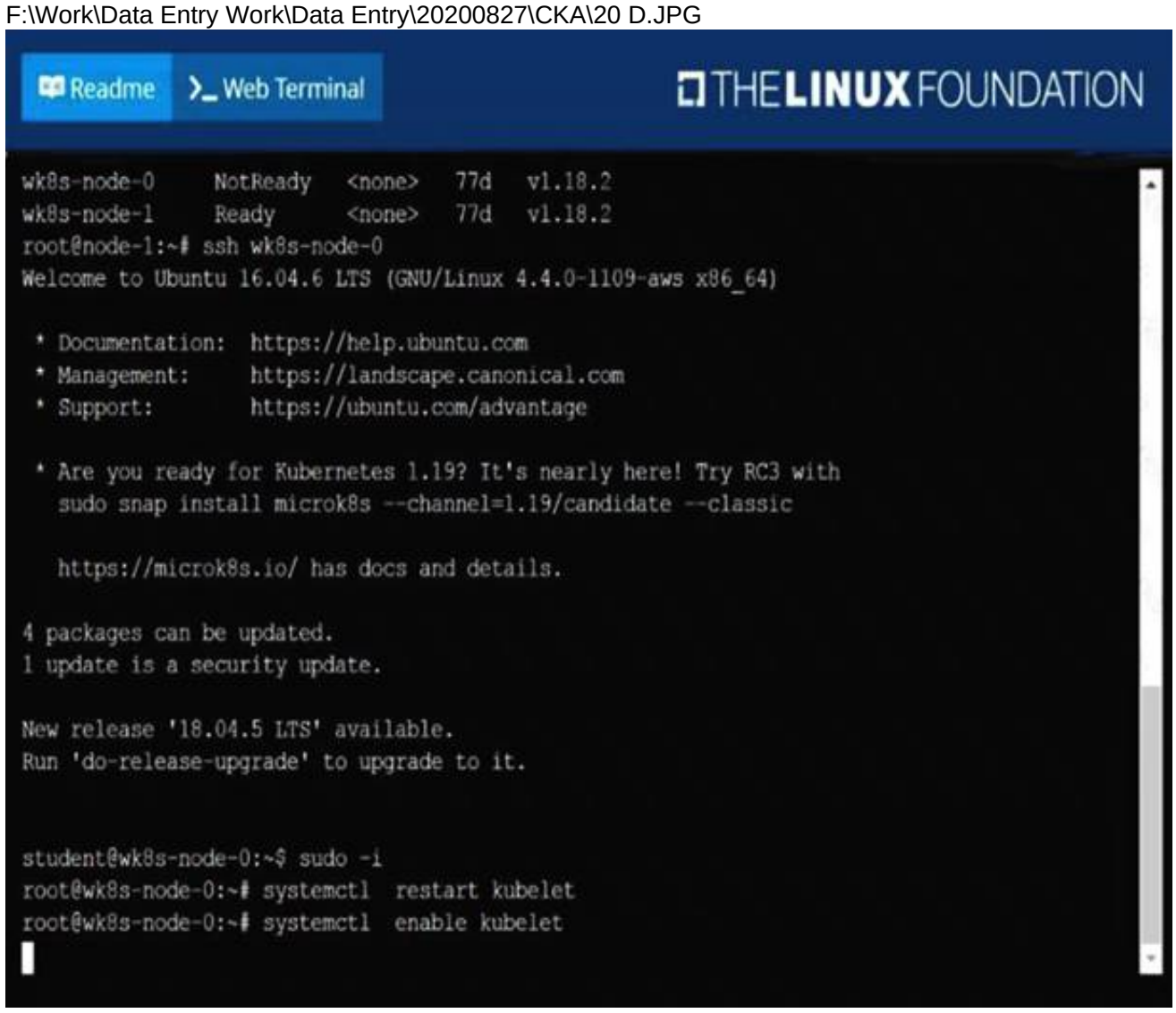

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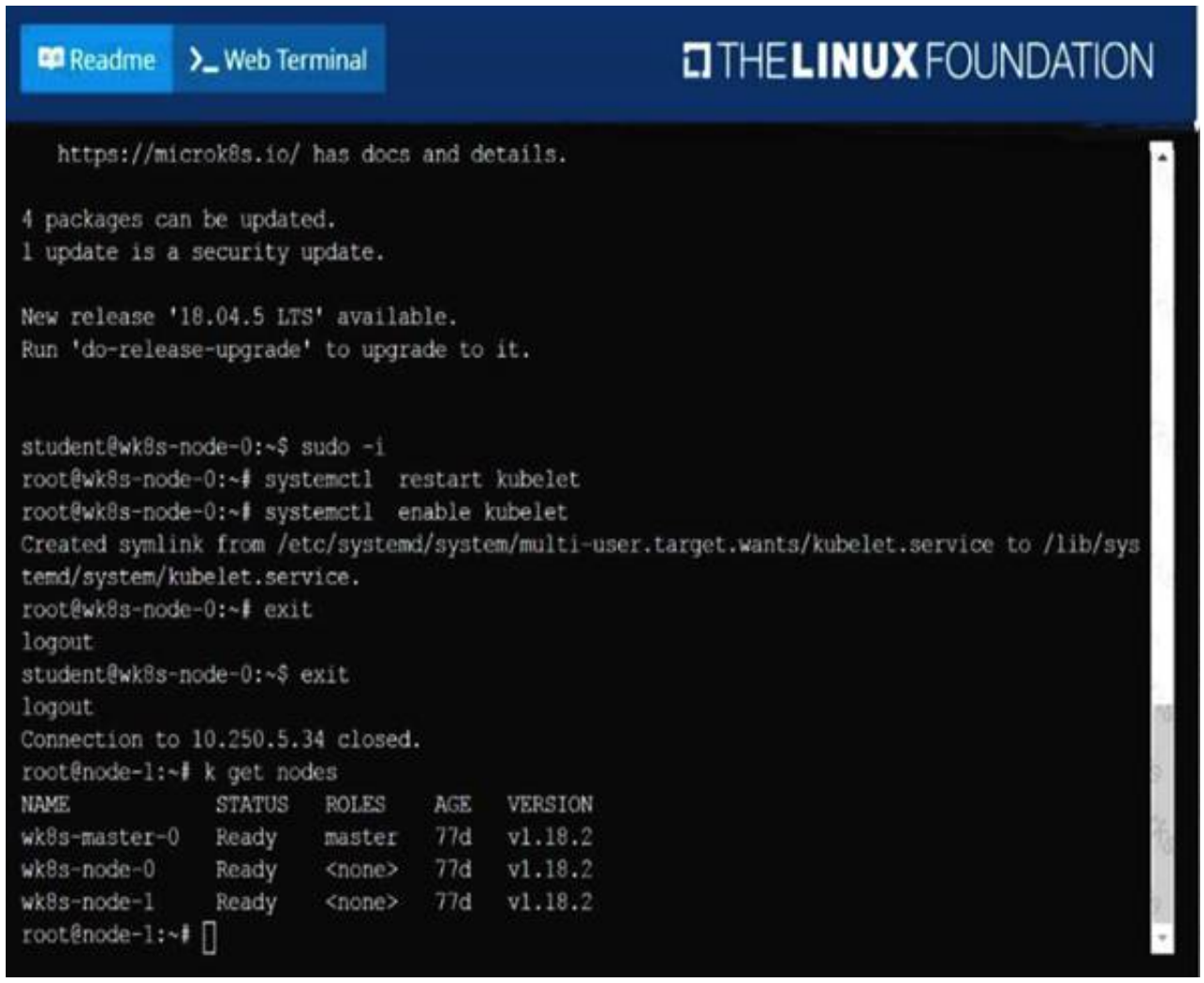

NEW QUESTION 9
Get list of all the pods showing name and namespace with a jsonpath expression.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 10
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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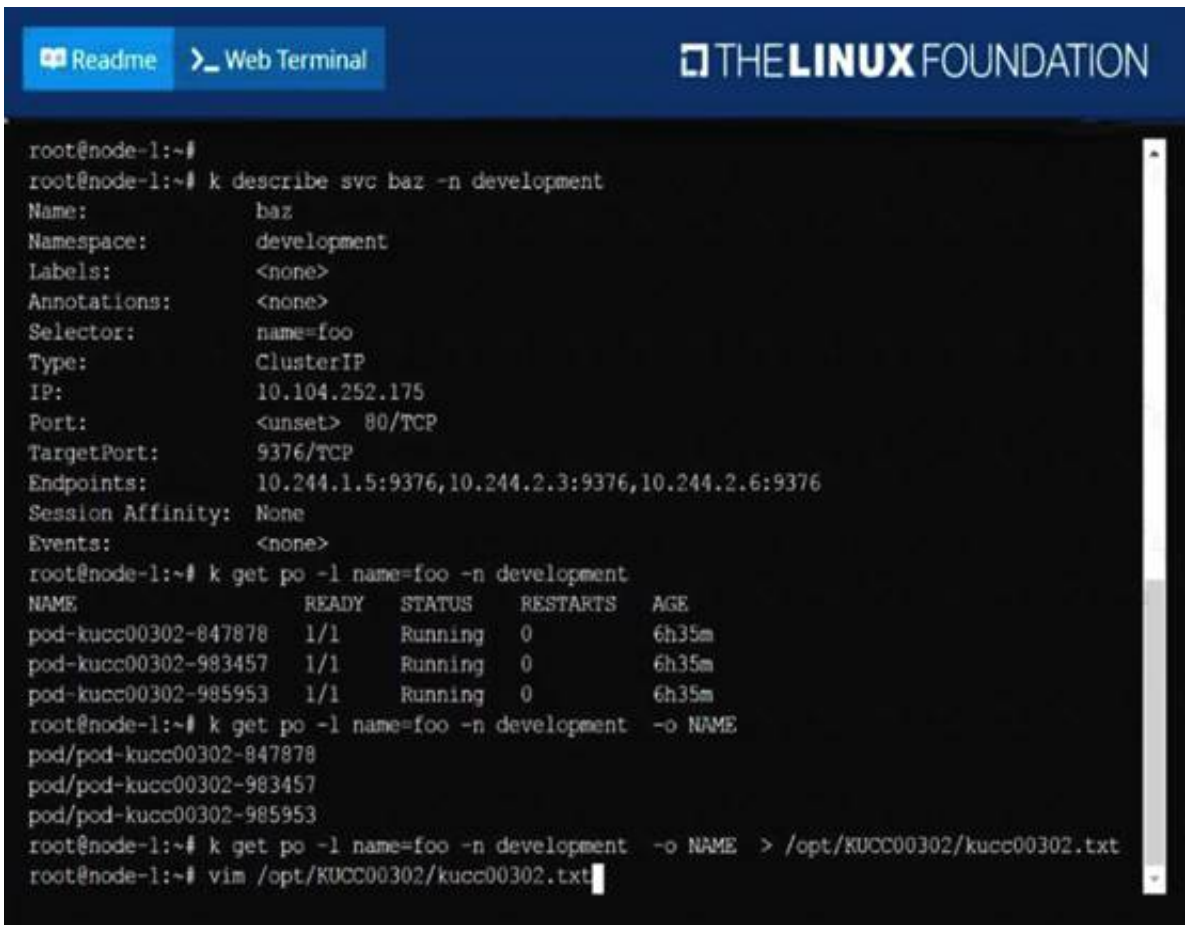

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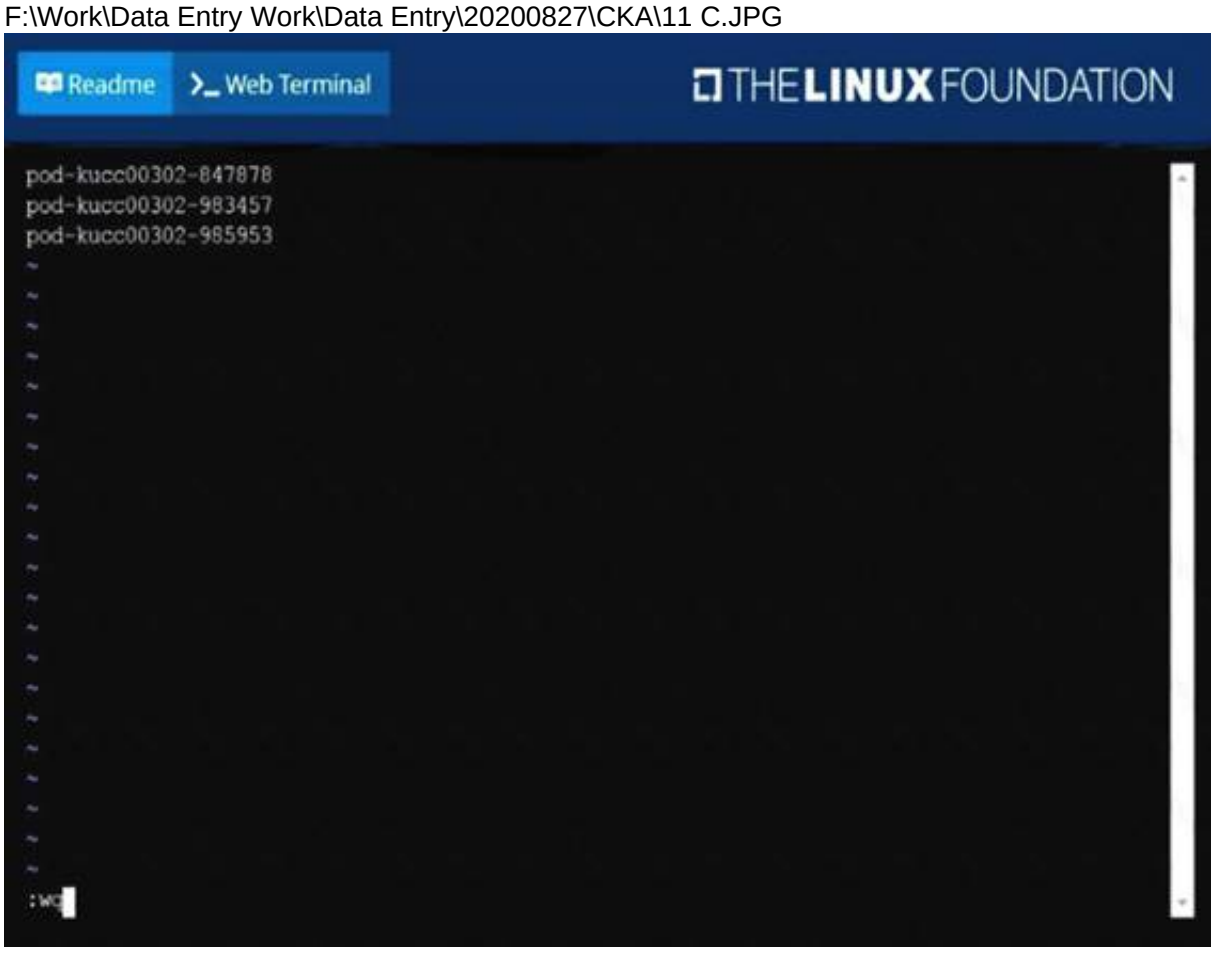

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NEW QUESTION 10
Check the image version in pod without the describe command

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 13
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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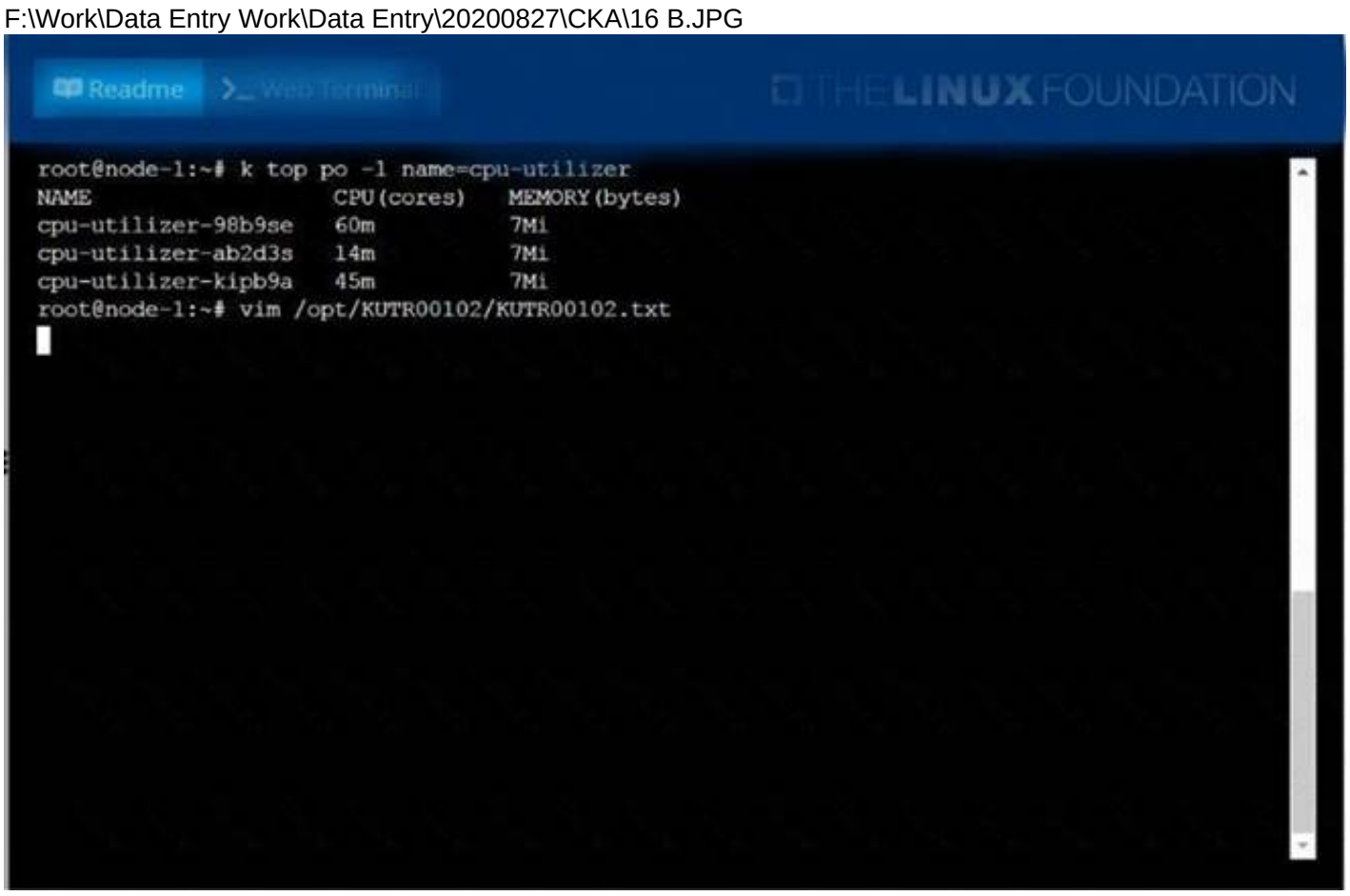

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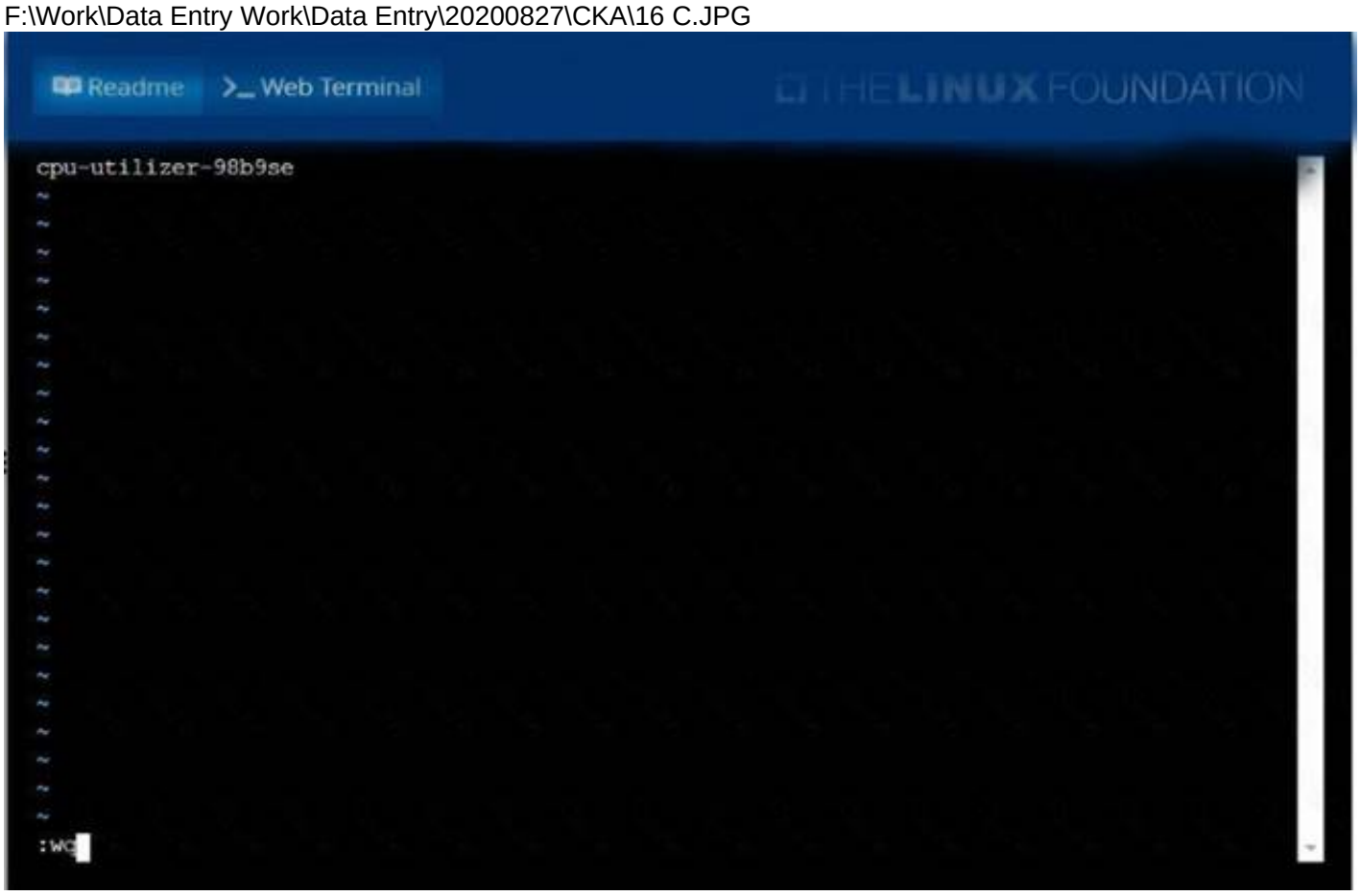

NEW QUESTION 18
Perform the following tasks:

- 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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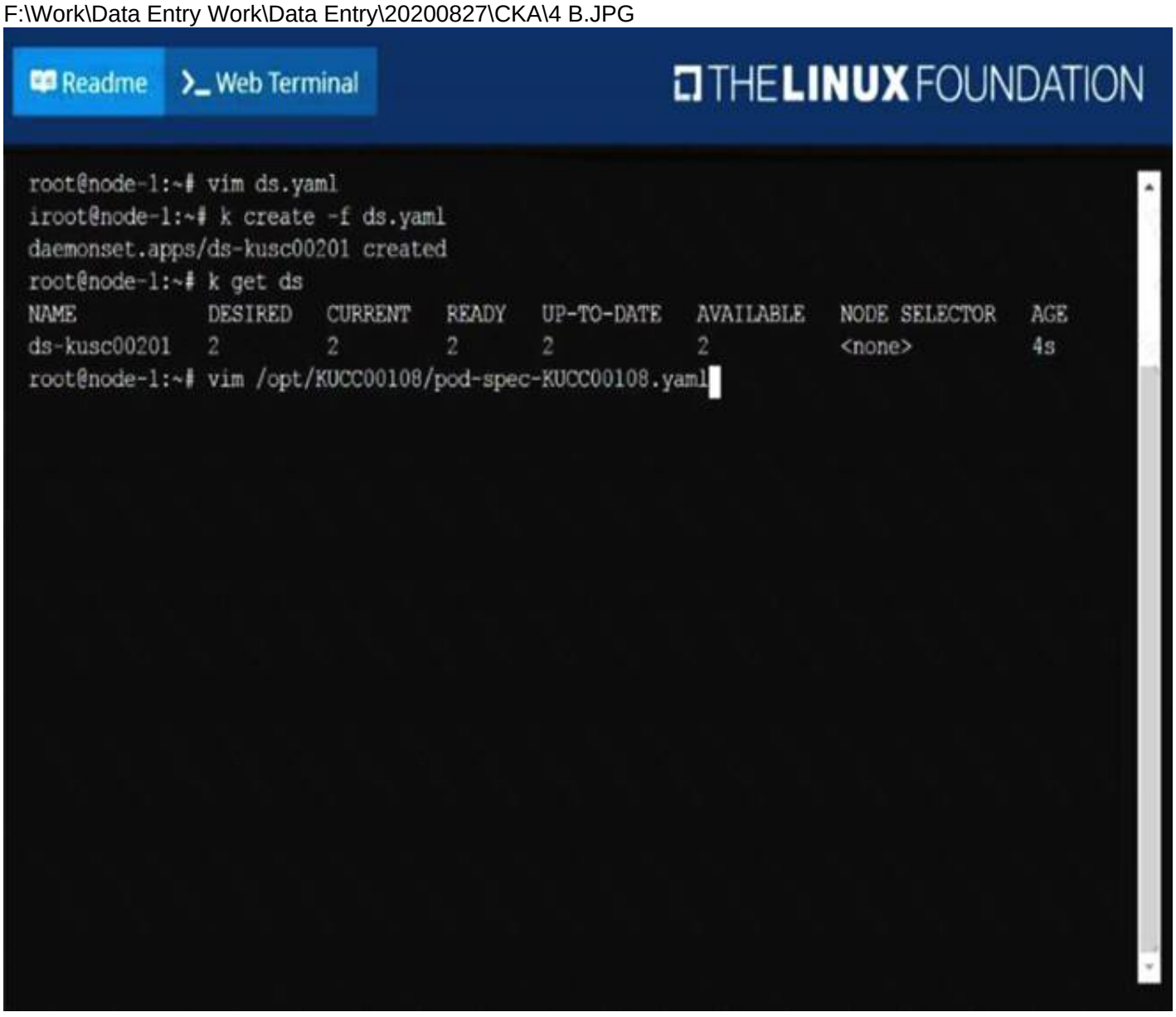

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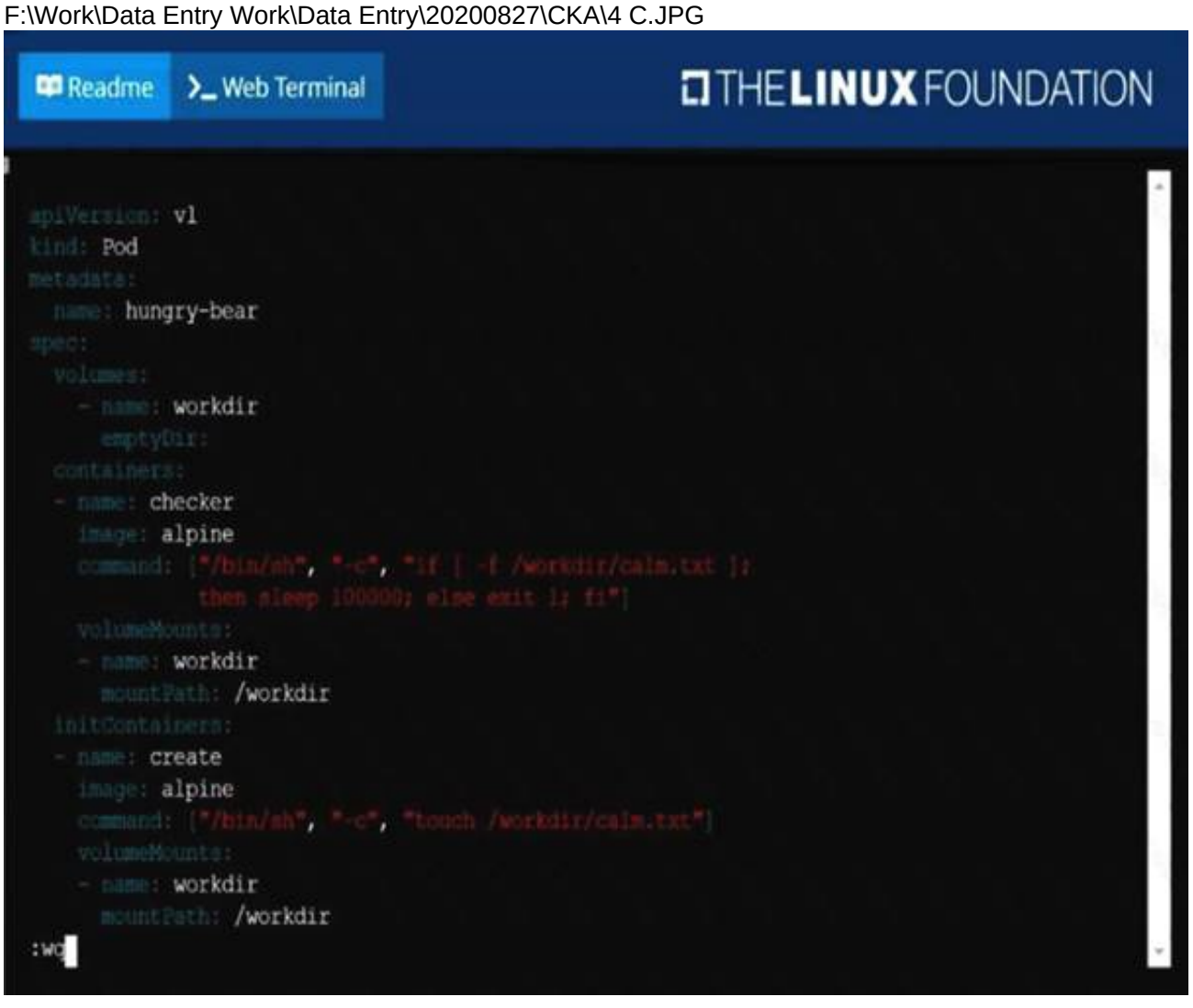

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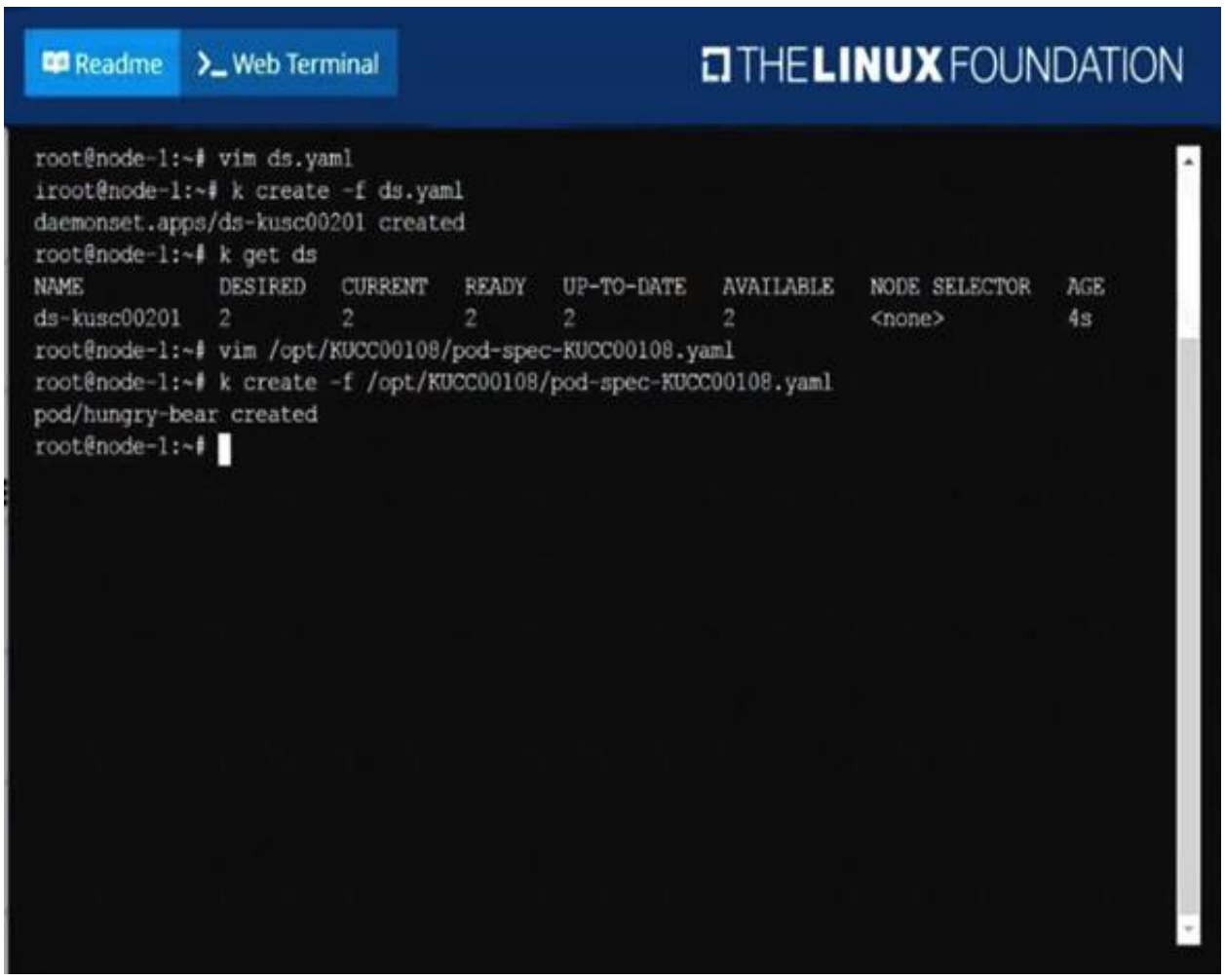

NEW QUESTION 21
For this item, you will havetosshto the nodesik8s-master-0andik8s-node-0and complete all tasks on thesenodes. Ensure that you return tothe base node (hostname:node-1) when you havecompleted this item.
Context
As an administrator of a smalldevelopment team, you have beenasked to set up a Kubernetes clusterto test the viability of a newapplication.
Task
You must usekubeadmto performthis task. Anykubeadminvocationswill require the use of the --ignore-preflight-errors=alloption.
- Configure thenodeik8s-master-Oas a masternode. .
- Join the nodeik8s-node-otothe cluster.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
solution
You must use thekubeadmconfiguration file located at/etc/kubeadm.confwhen initializingyour cluster.
You may use any CNI pluginto complete this task, but ifyou don't have your favouriteCNI plugin's manifest URL athand, Calico is one popularoption:https://docs.projectcalico.org/v3.14/manifests/calico.yaml
Docker is already installedon both nodes andapthasbeen configured so that you caninstall the required tools.

NEW QUESTION 25
Create a pod that having 3 containers in it? (Multi-Container)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
image=nginx, image=redis, image=consul Name nginx container as ??nginx-container?? Name redis container as ??redis-container?? Name consul container as ??consul-container??
Create a pod manifest file for a container and append container section for rest of the images
kubectl run multi-container --generator=run-pod/v1 --image=nginx -- dry-run -o yaml > multi-container.yaml
then
vim multi-container.yaml apiVersion: v1
kind: Pod metadata: labels:
run: multi-container name: multi-container spec:
containers:
- image: nginx
name: nginx-container
- image: redis
name: redis-container
- image: consul
name: consul-container
restartPolicy: Always

NEW QUESTION 30
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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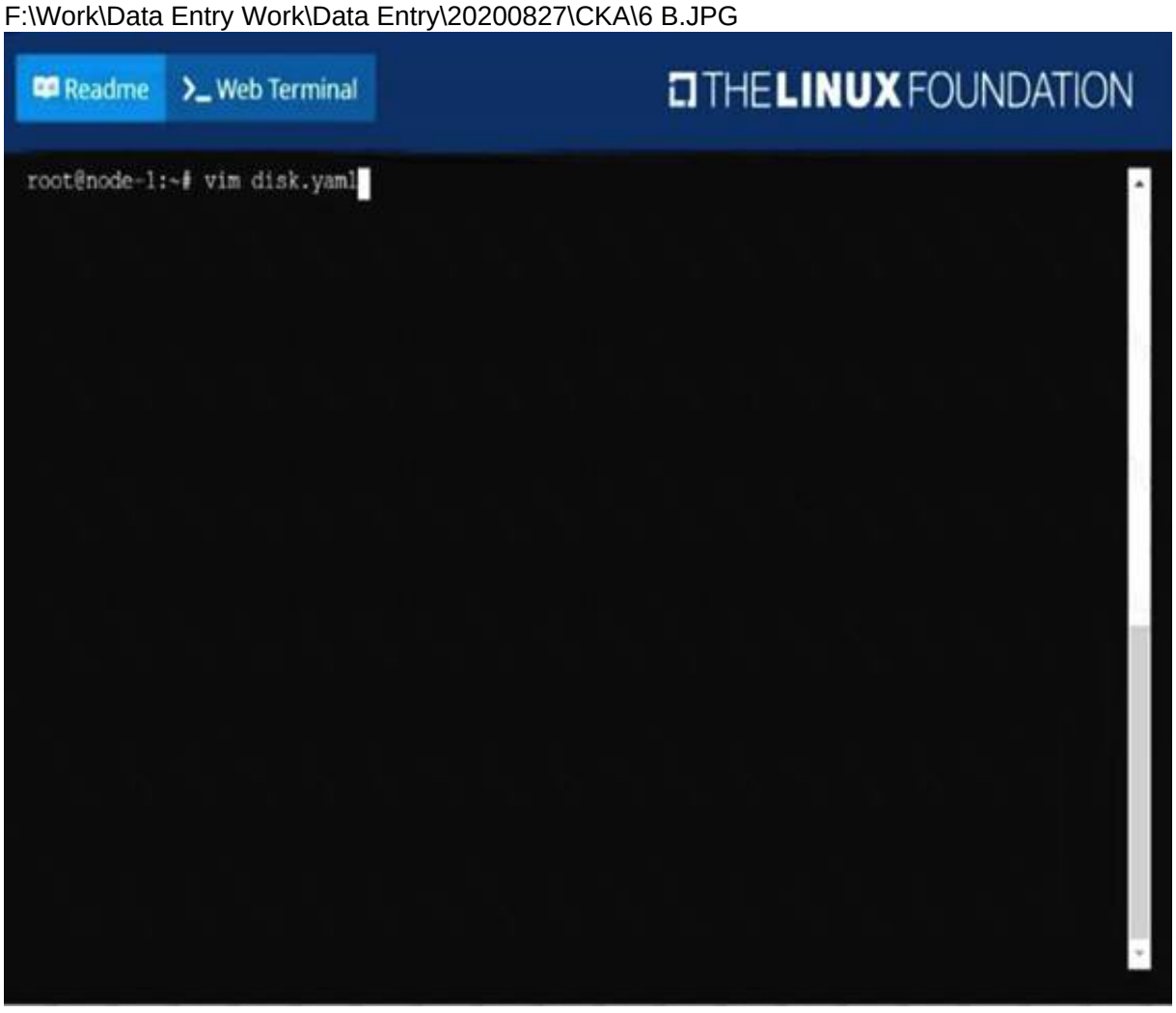

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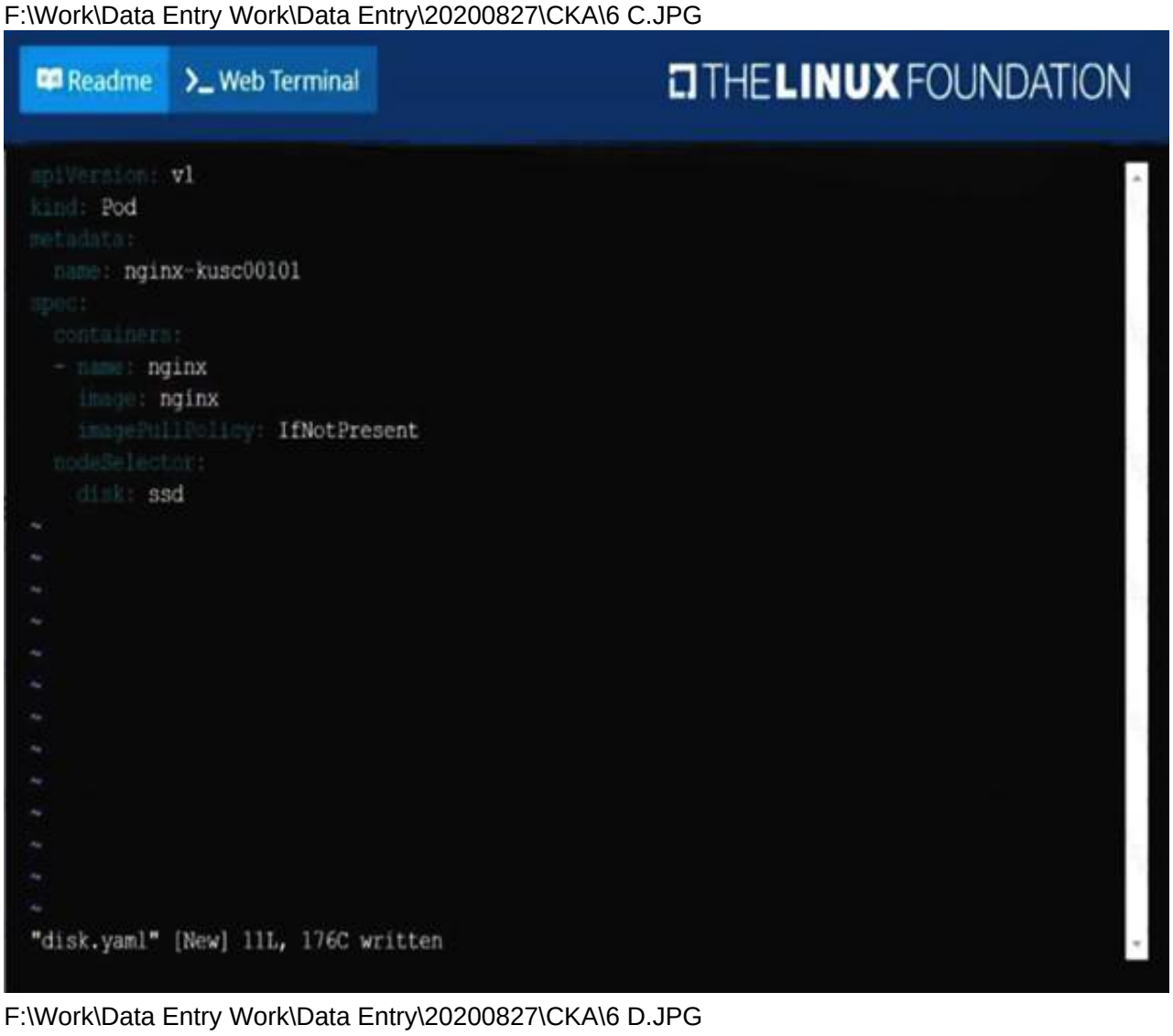

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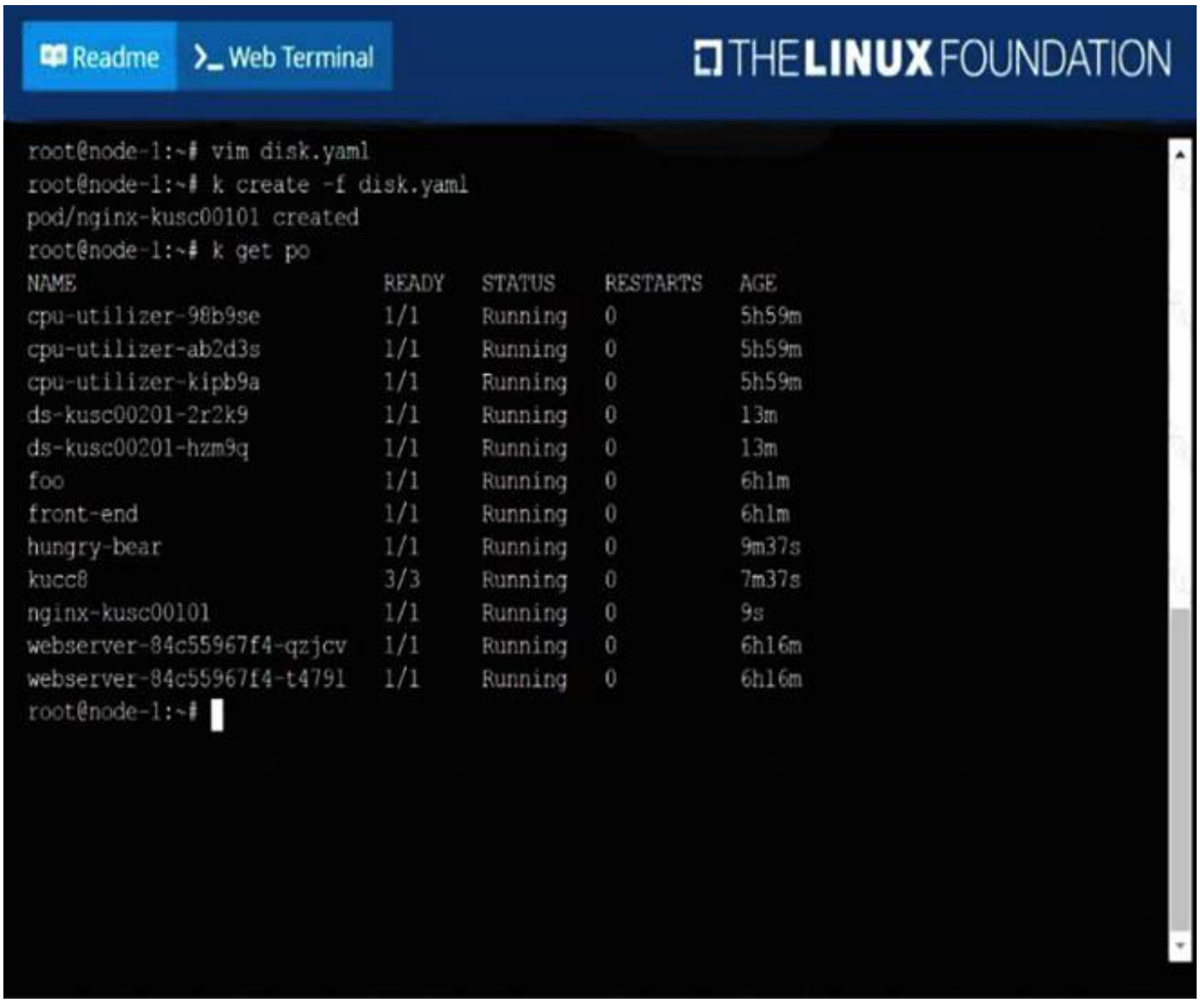

NEW QUESTION 31
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