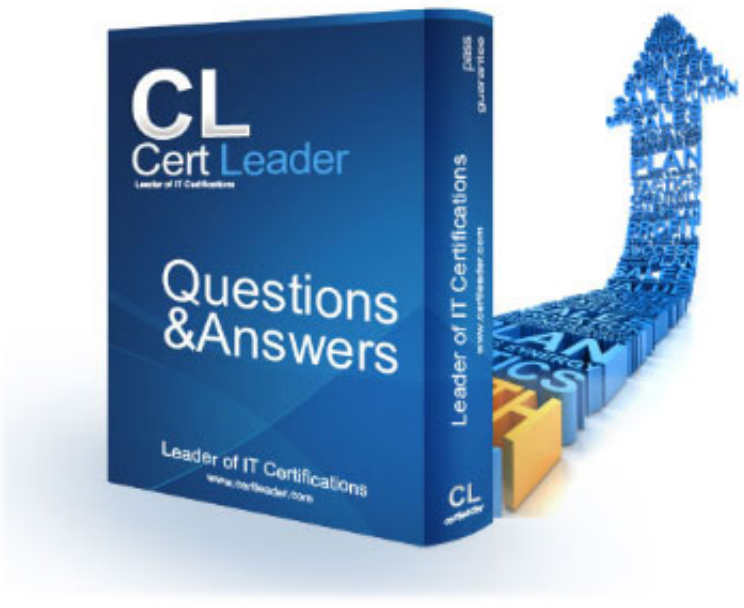
# CKA Dumps

# Certified Kubernetes Administrator (CKA) Program

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



**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 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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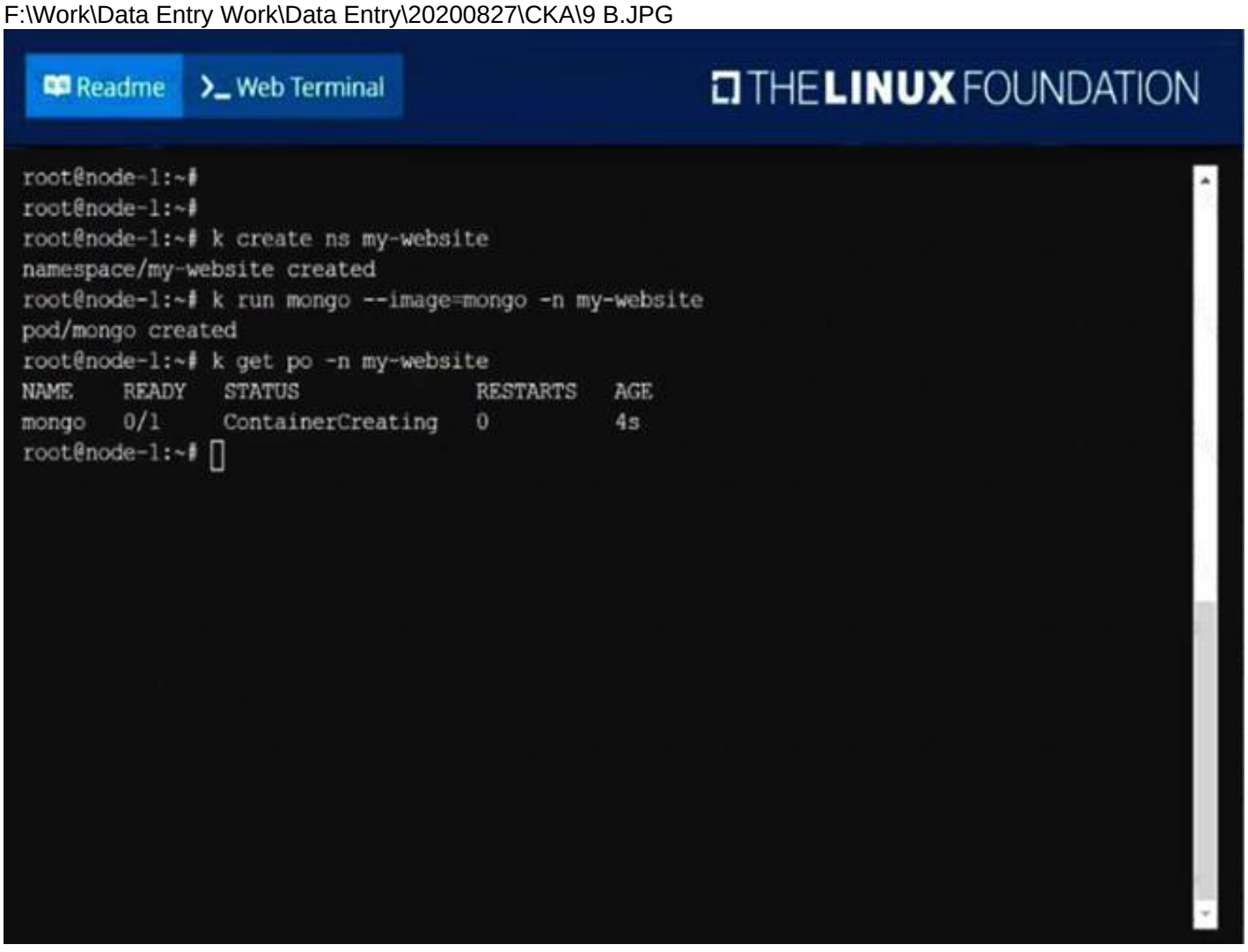


**NEW QUESTION 3**
Create a deployment as follows:
- Name:nginx-app
- Using containernginxwithversion 1.11.10-alpine
- The deployment should contain3replicas

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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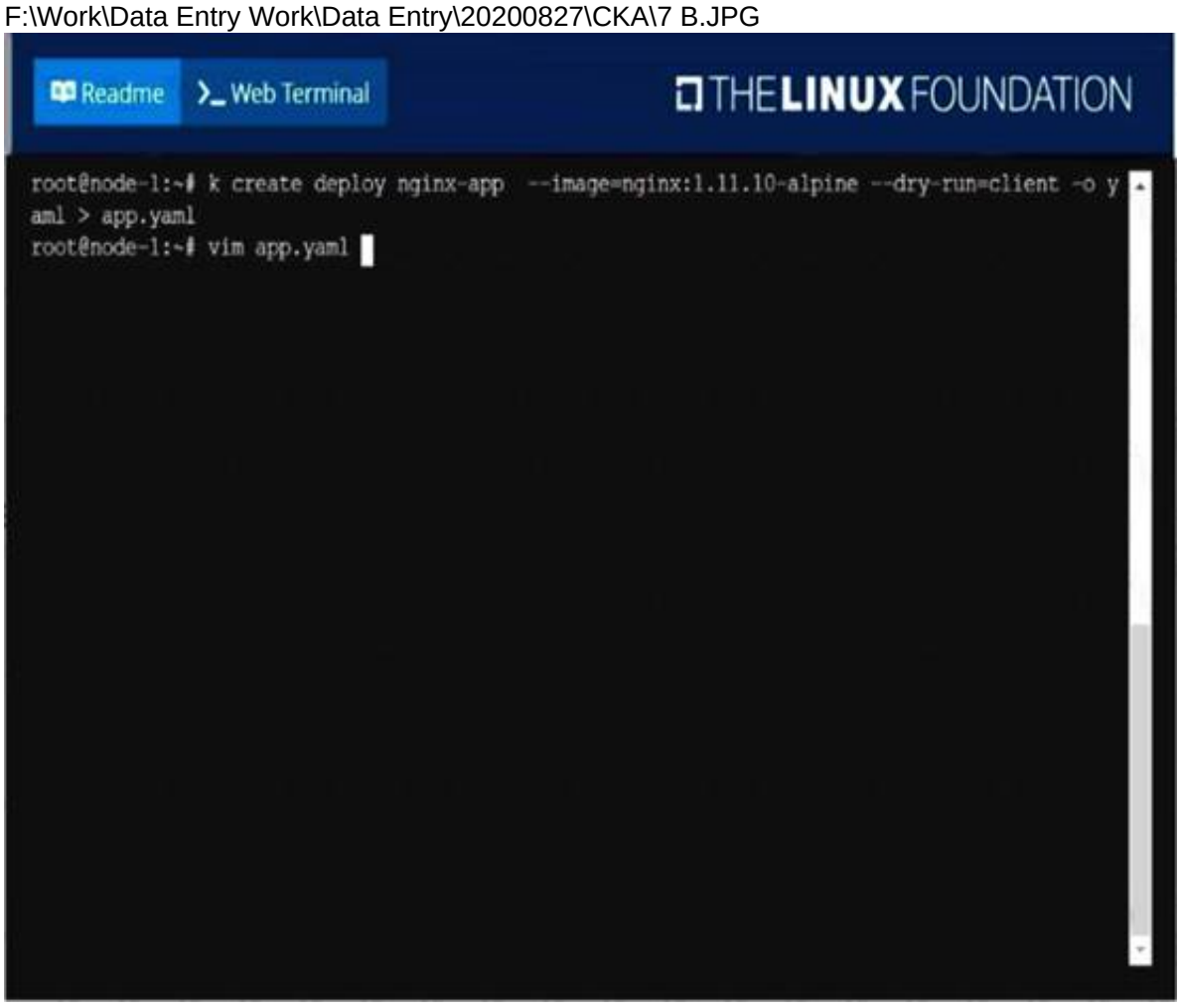


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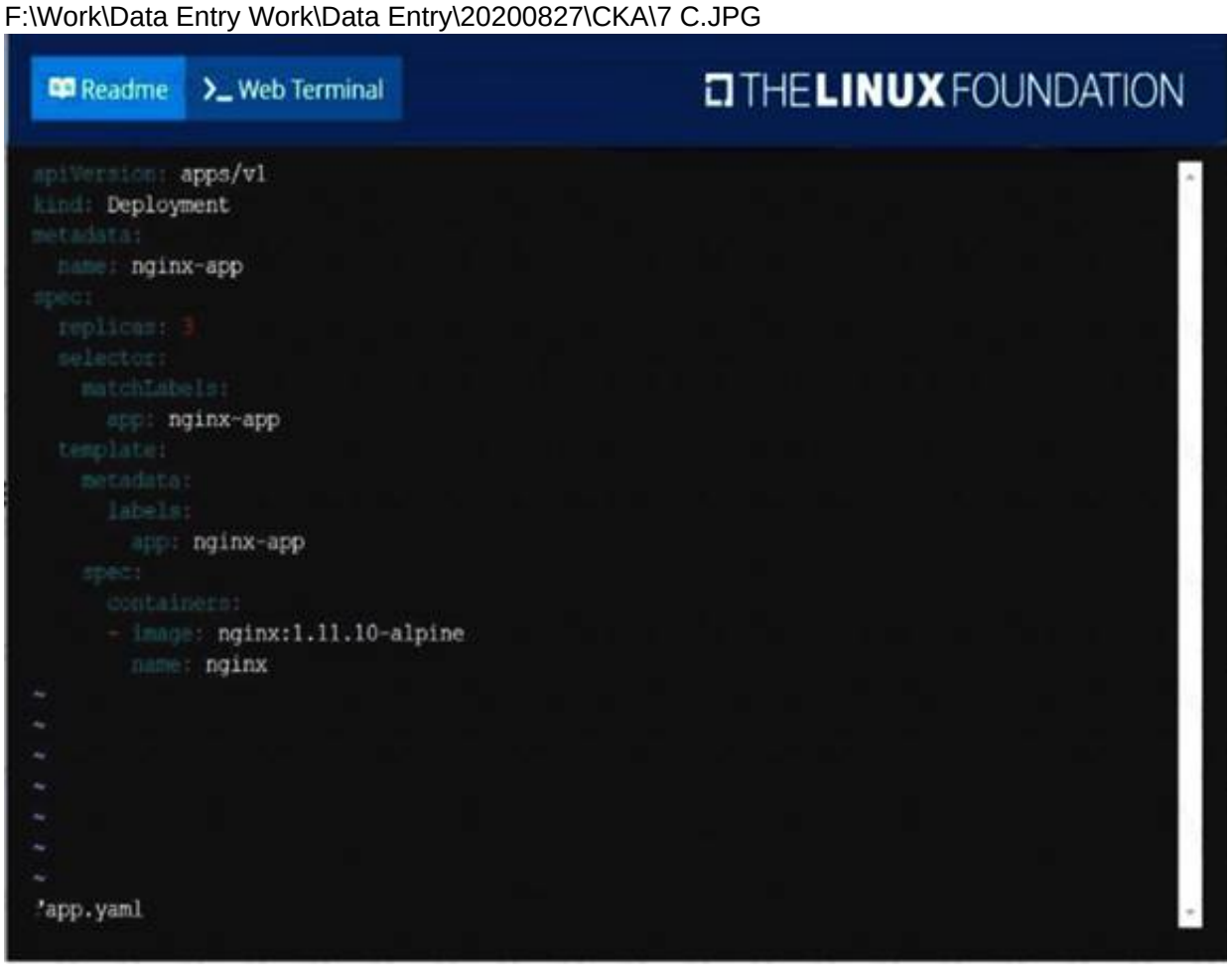


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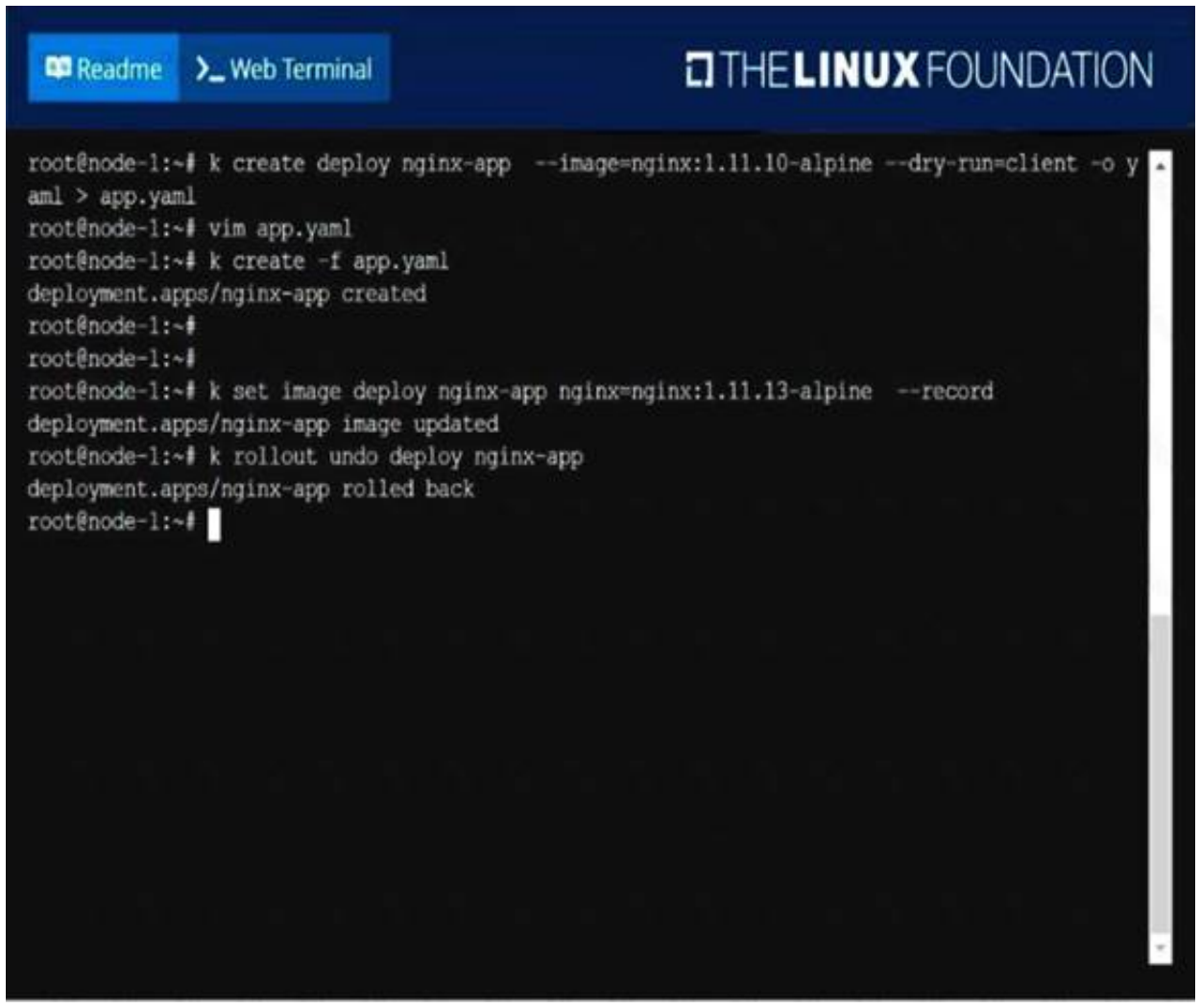


**NEW QUESTION 4**
Create a pod namedkucc8with asingle app container for each of the
following images running inside(there may be between 1 and 4images specified): nginx + redis + memcached.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
solution
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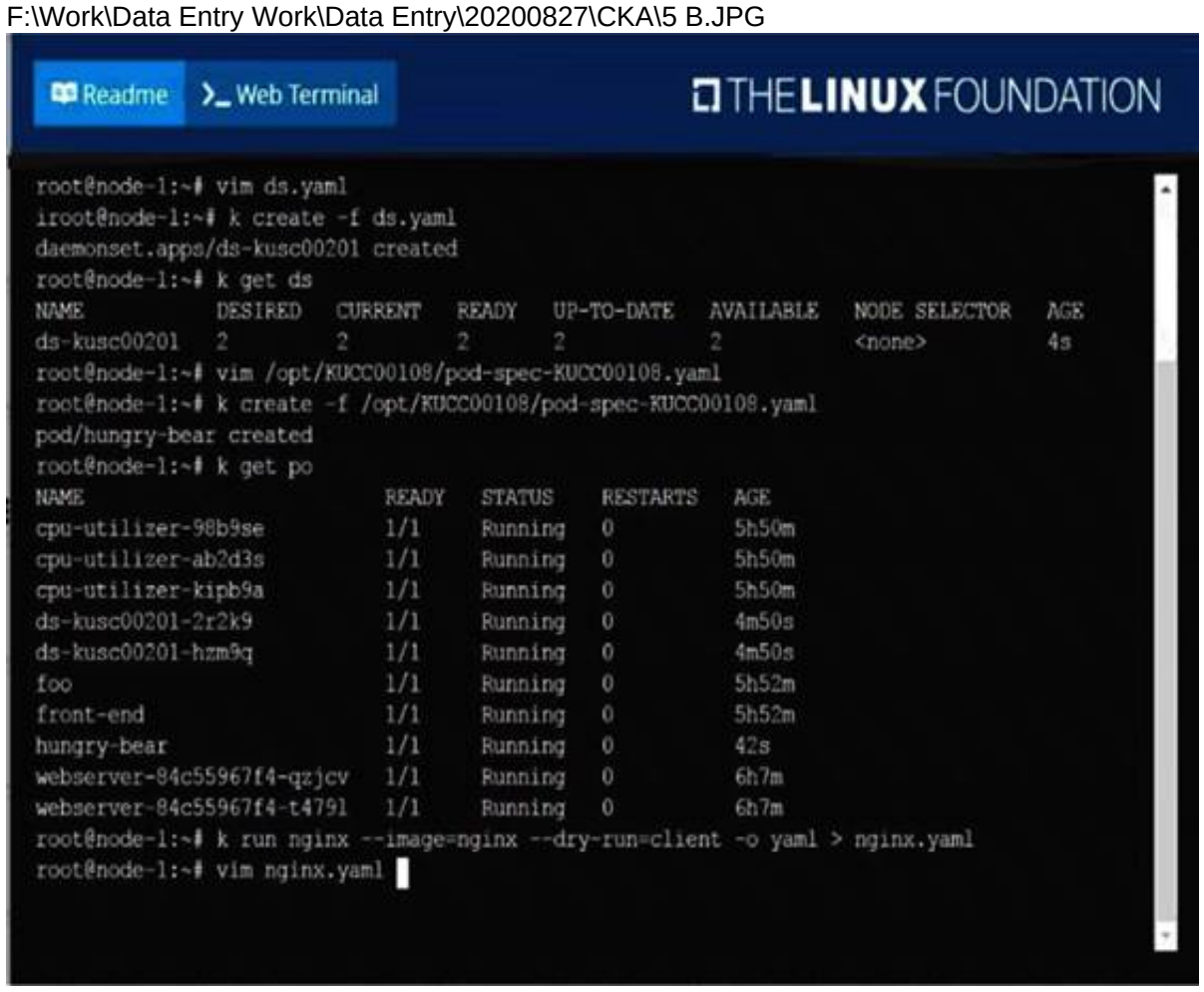

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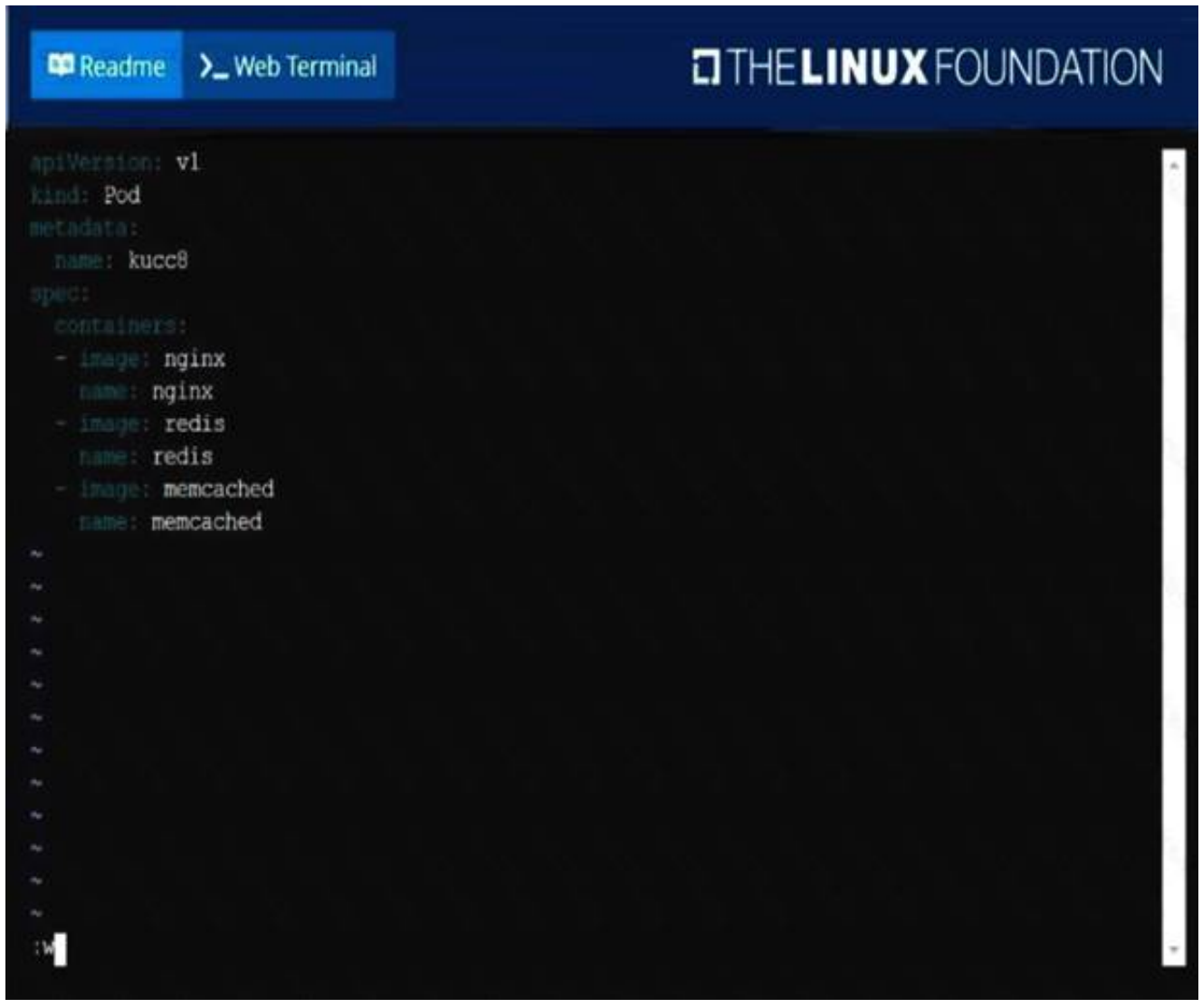


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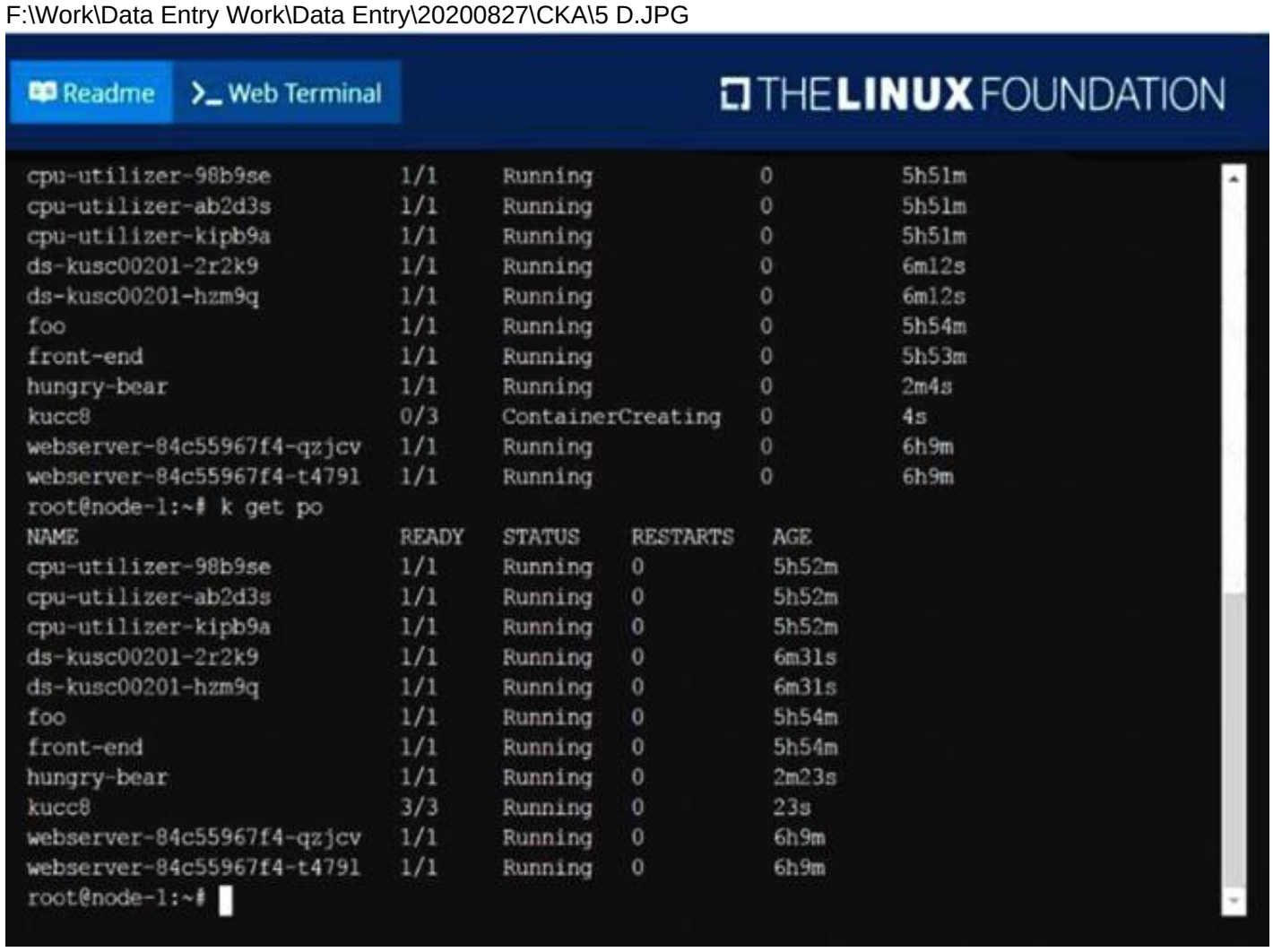


**NEW QUESTION 5**
Create a nginx pod with label env=test in engineering namespace

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 6**
Set the node named ek8s-node-1as unavailable and reschedule all the pods running on it.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

solution
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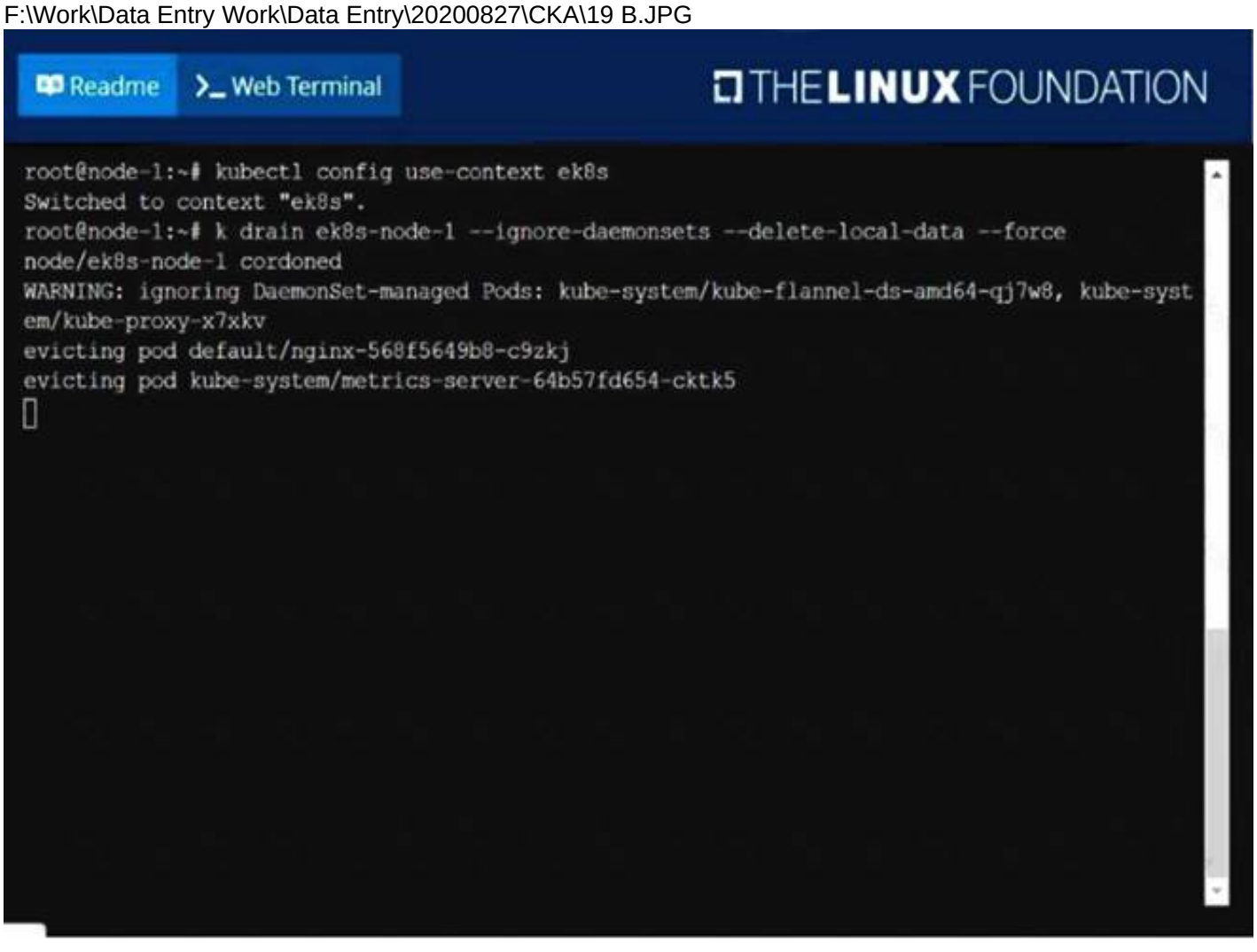


**NEW QUESTION 7**
List all the pods sorted by name

A. Mastered
B. Not Mastered

**Answer:** A

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

**NEW QUESTION 8**
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:**
Kubectl logs frontend | grep -i ??started?? > /opt/error-logs

**NEW QUESTION 9**
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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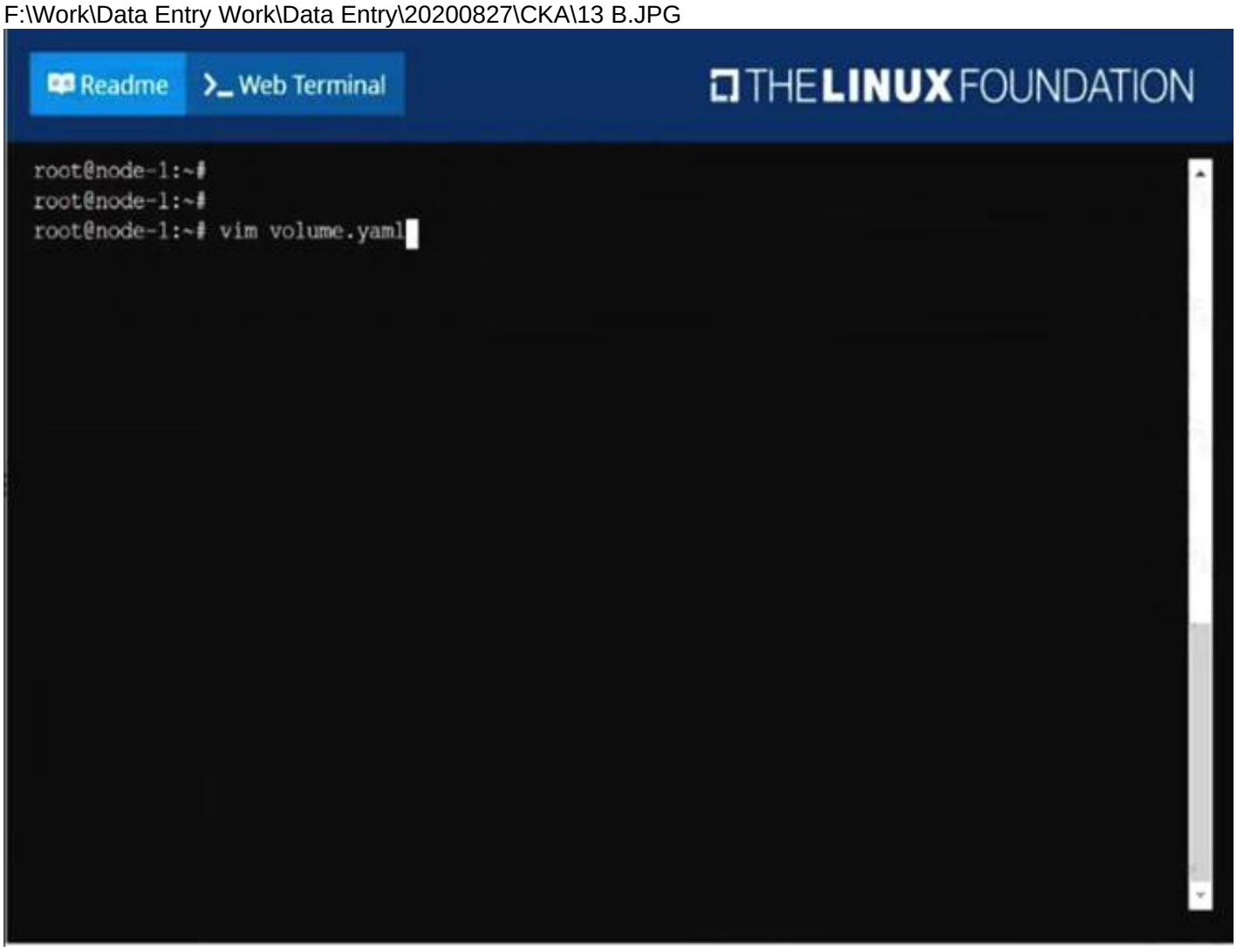


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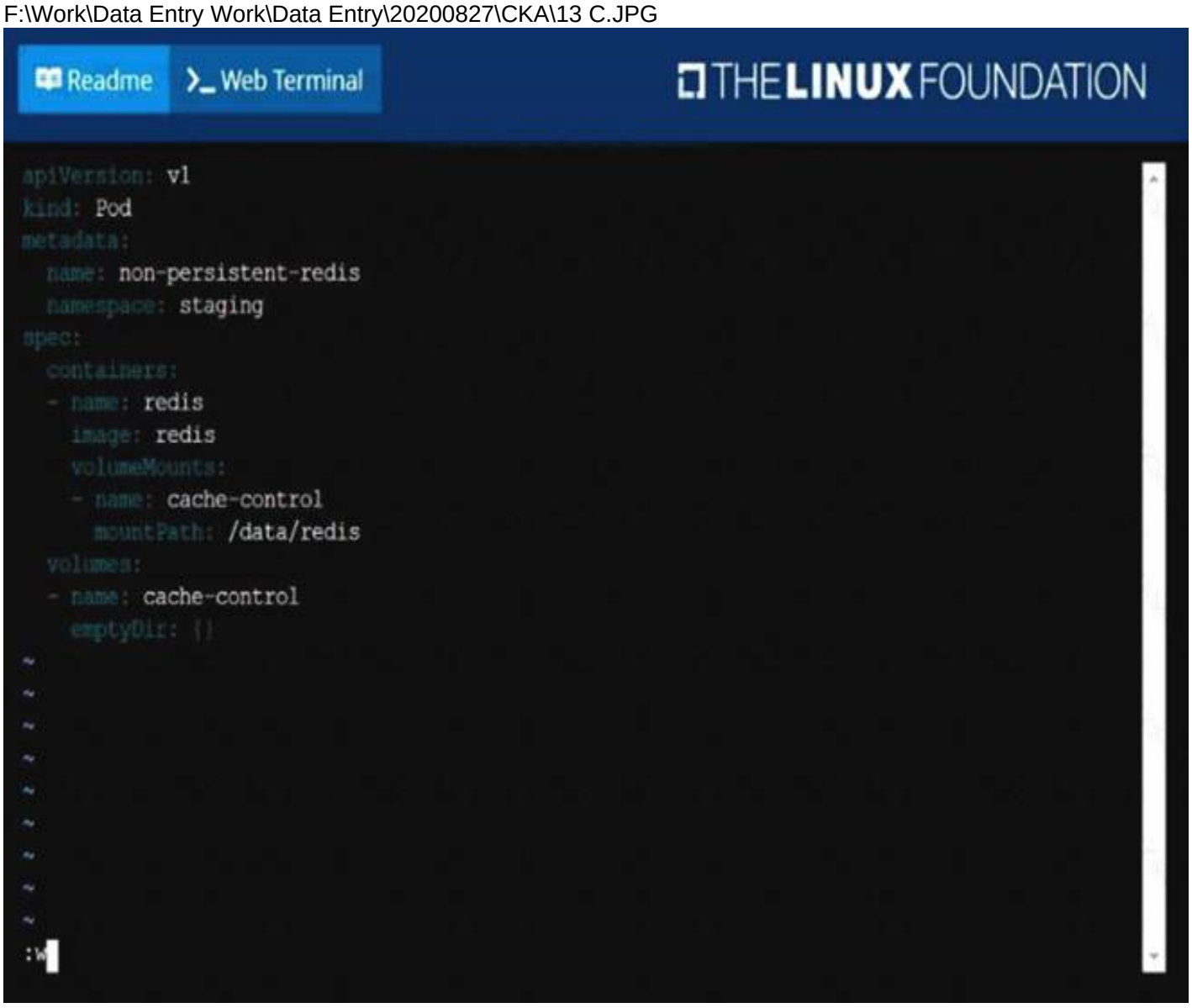


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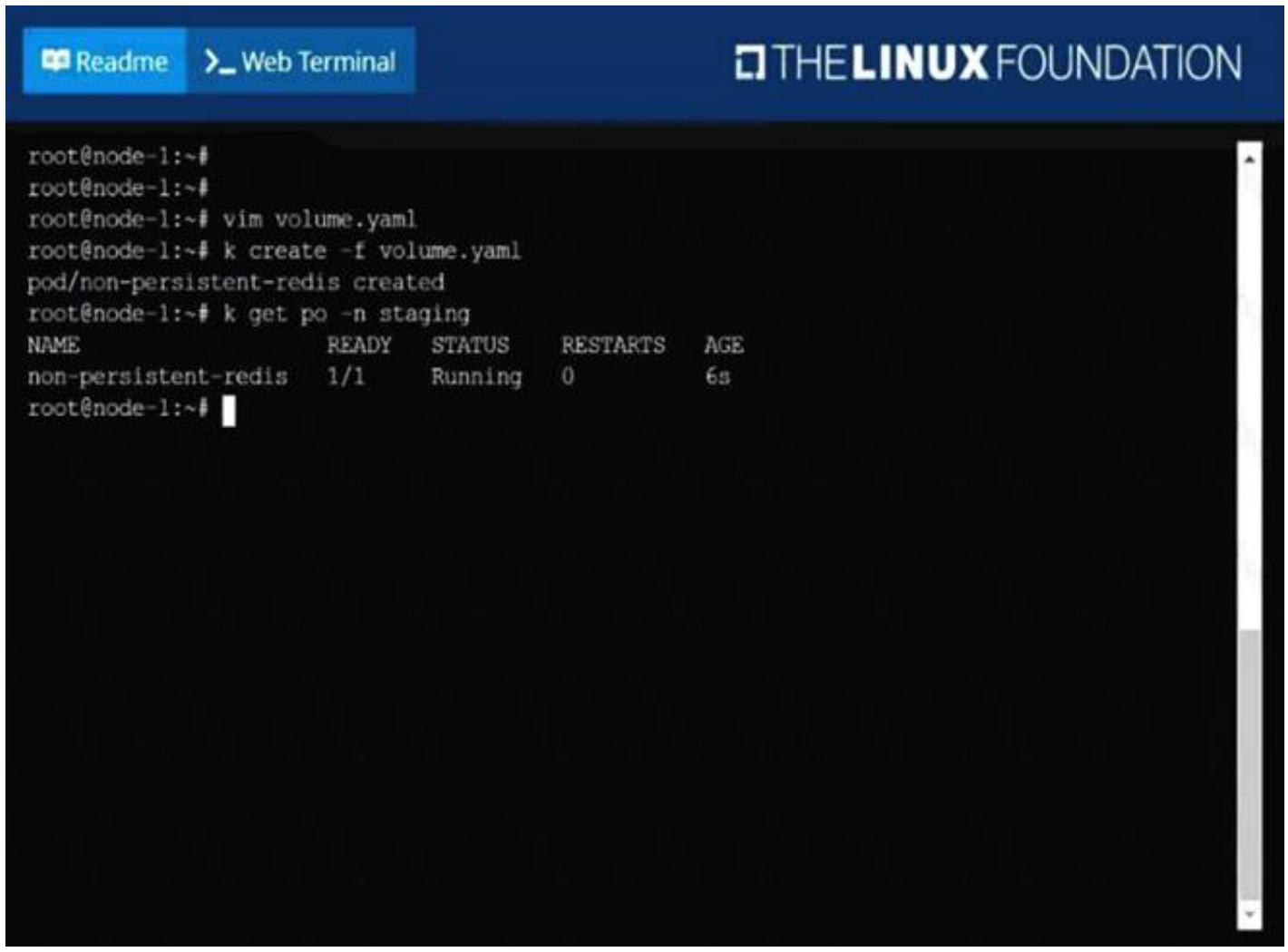


**NEW QUESTION 10**
Get list of all the pods showing name and namespace with a jsonpath expression.

A. Mastered
B. Not Mastered

**Answer:** A

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

**NEW QUESTION 10**
Create 2 nginx image pods in which one of them is labelled with env=prod and another one labelled with env=dev and verify the same.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
kubectl run --generator=run-pod/v1 --image=nginx -- labels=env=prod nginx-prod --dry-run -o yaml > nginx-prodpod.yaml Now, edit nginx-prod-pod.yaml file and remove entries like ??creationTimestamp: null?? ??dnsPolicy: ClusterFirst??
vim nginx-prod-pod.yaml apiVersion: v1
kind: Pod metadata: labels: env: prod
name: nginx-prod spec:
containers:
- image: nginx name: nginx-prod
restartPolicy: Always
# kubectl create -f nginx-prod-pod.yaml
kubectl run --generator=run-pod/v1 --image=nginx -- labels=env=dev nginx-dev --dry-run -o yaml > nginx-dev-pod.yaml apiVersion: v1
kind: Pod metadata: labels: env: dev
name: nginx-dev
spec: containers:
- image: nginx name: nginx-dev
restartPolicy: Always
# kubectl create -f nginx-prod-dev.yaml Verify :
kubectl get po --show-labels kubectl get po -l env=prod kubectl get po -l env=dev

**NEW QUESTION 14**
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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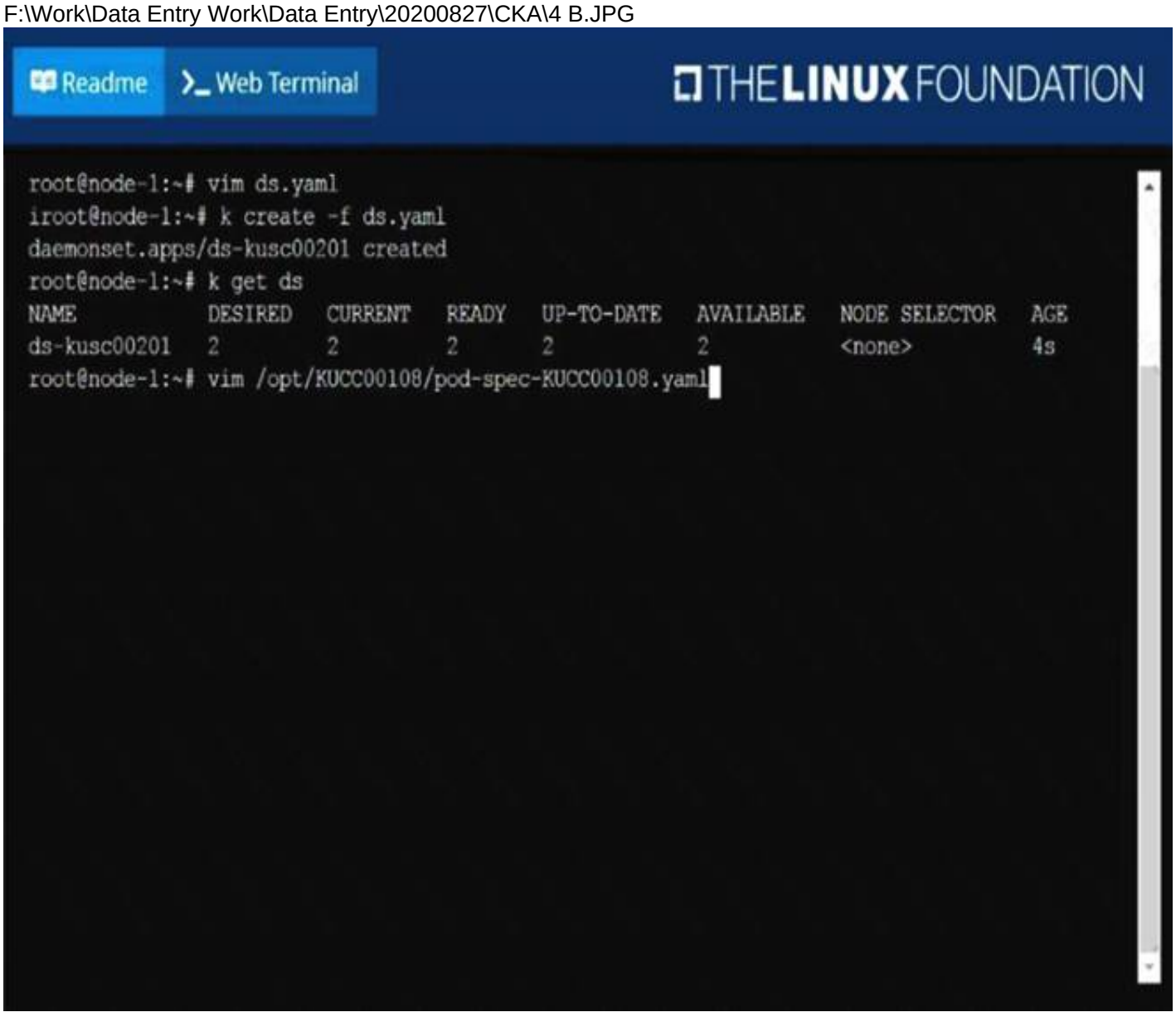


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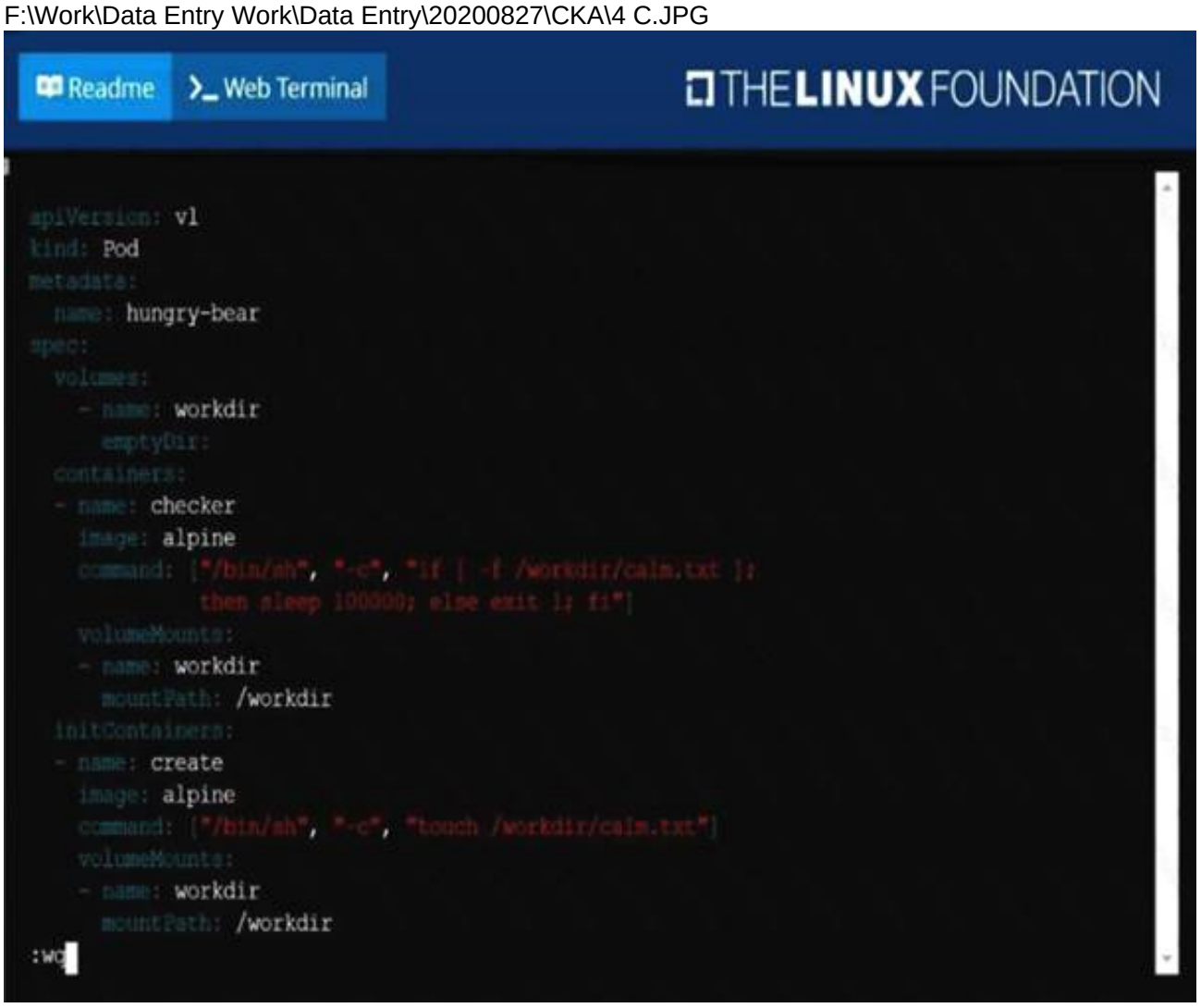


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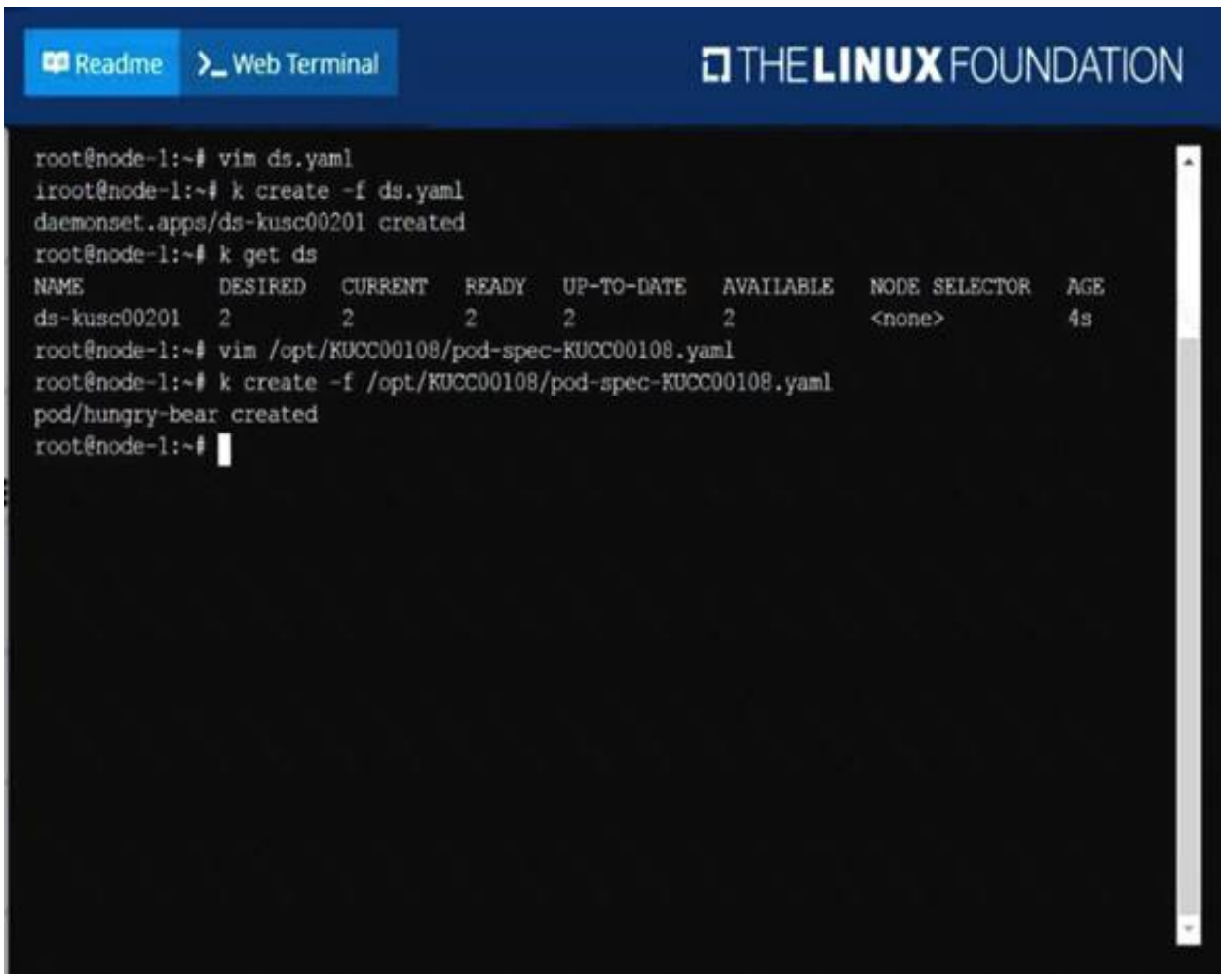


**NEW QUESTION 16**
Check the Image version of nginx-dev pod using jsonpath

A. Mastered
B. Not Mastered

**Answer:** A

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

**NEW QUESTION 20**
List all the pods sorted by name

A. Mastered
B. Not Mastered

**Answer:** A

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

**NEW QUESTION 23**
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 27**
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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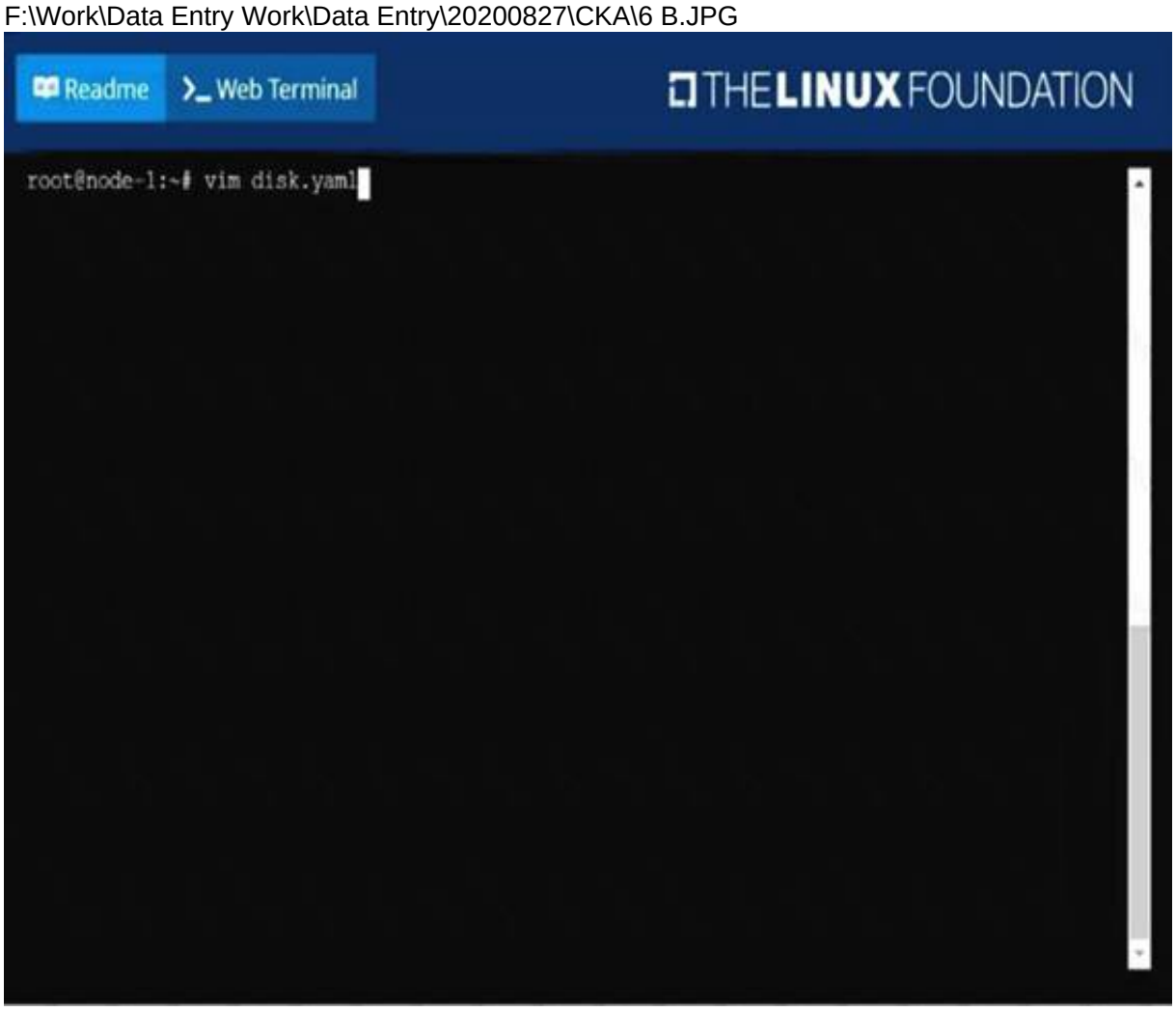


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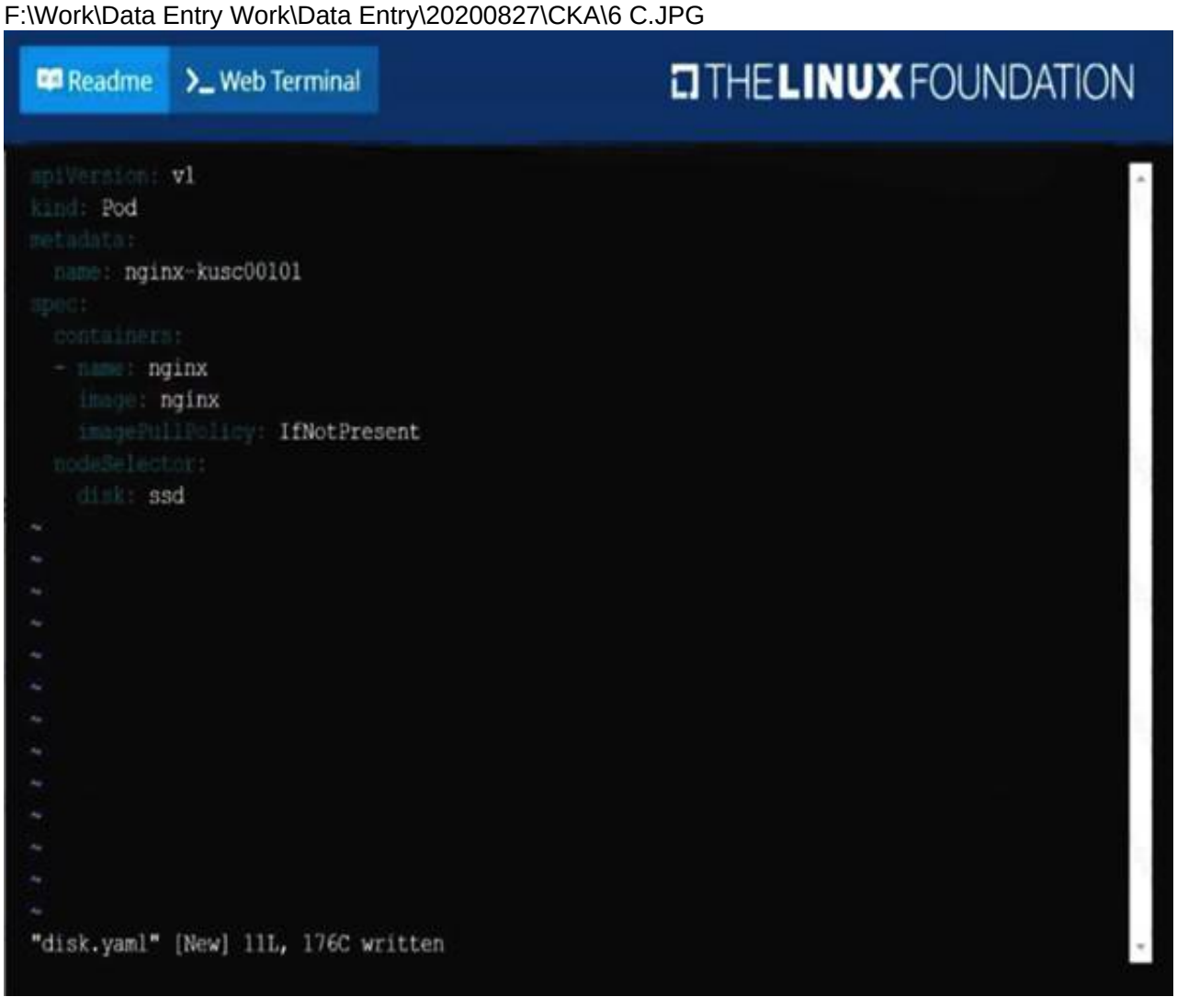


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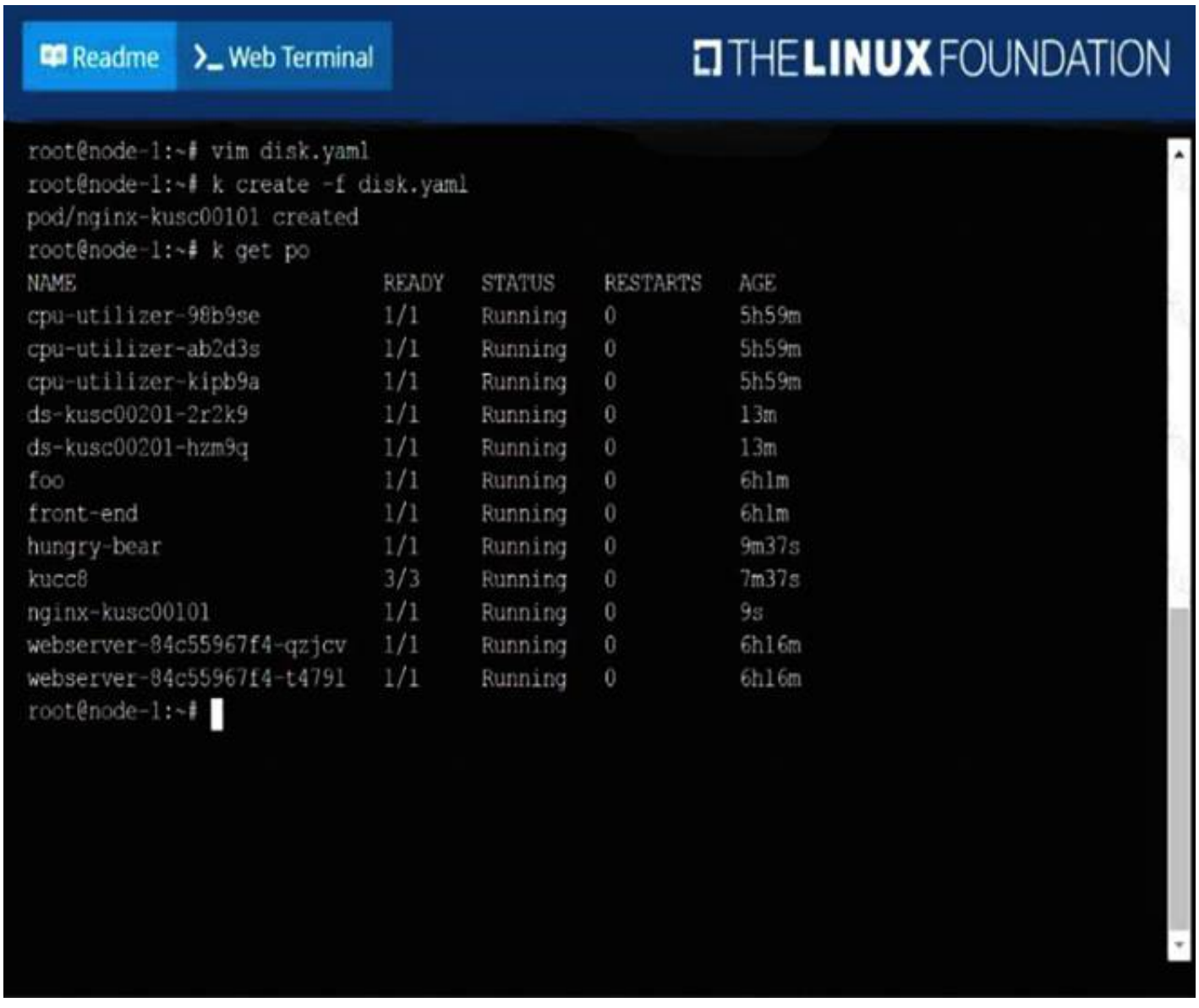


**NEW QUESTION 29**
Print pod name and start time to ??/opt/pod-status?? file

A. Mastered
B. Not Mastered

**Answer:** A

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

**NEW QUESTION 31**
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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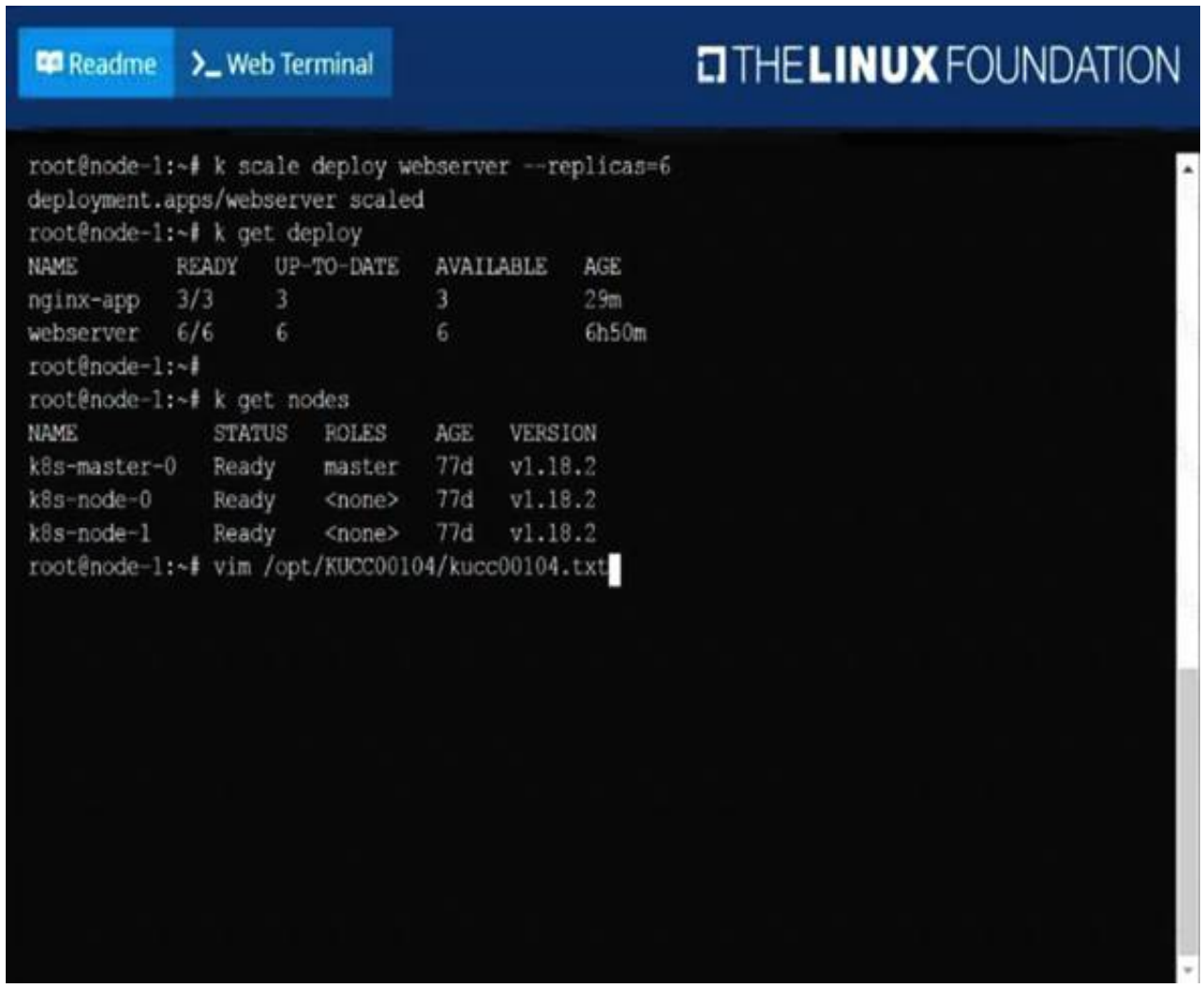


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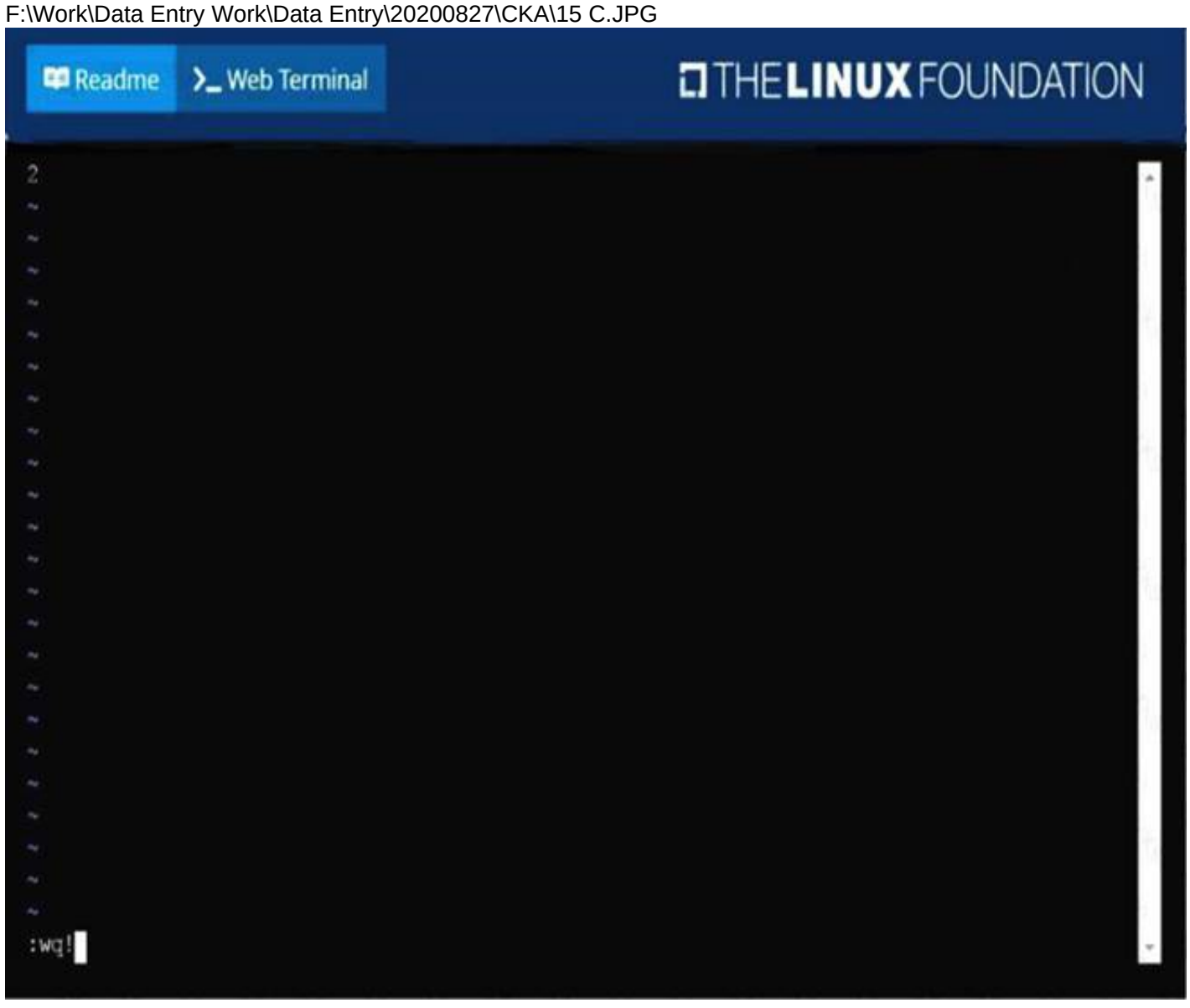


**NEW QUESTION 36**
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