Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program

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

NEW QUESTION 1
Create a deployment as follows:
- Name:nginx-random
- Exposed via a servicenginx-random
- Ensure that the service & podare accessible via theirrespective DNS records
- The container(s) within anypod(s) running as a part of thisdeployment should use thenginxImage

Next, use the utilitynslookupto lookup the DNS records of the service &pod and write the output to /opt/KUNW00601/service.dnsand/opt/KUNW00601/pod.dnsrespectively.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Solution:
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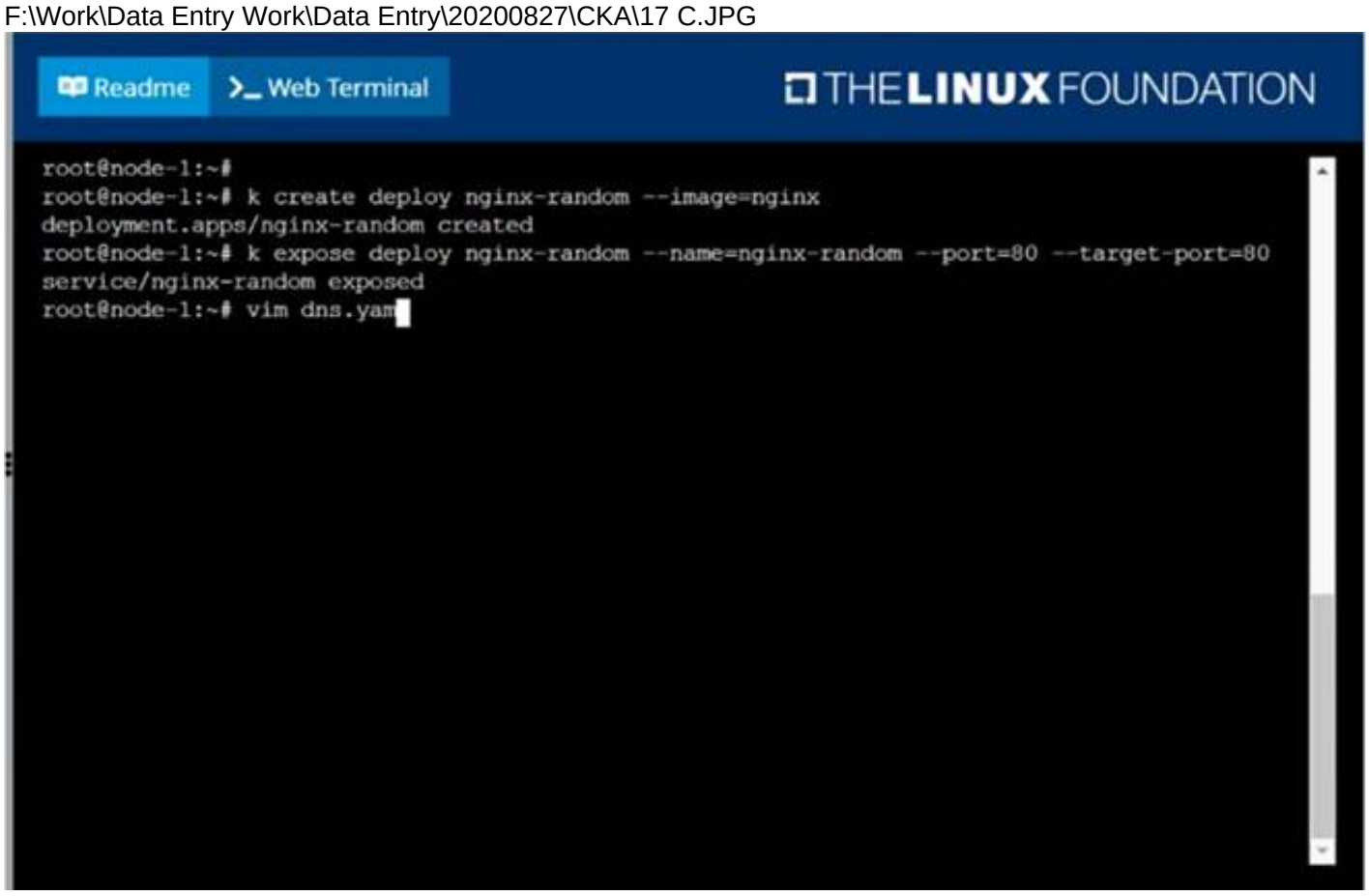

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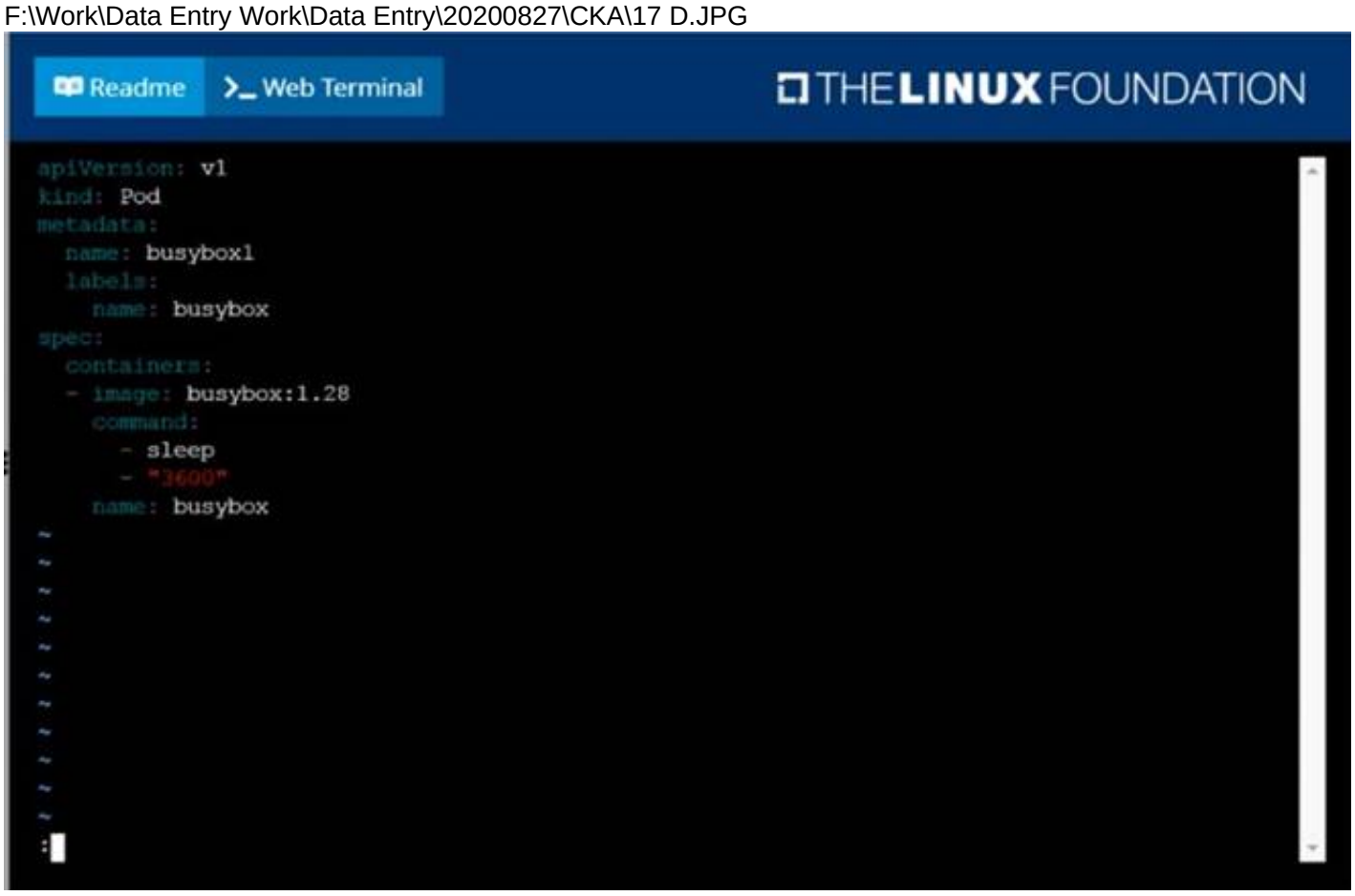

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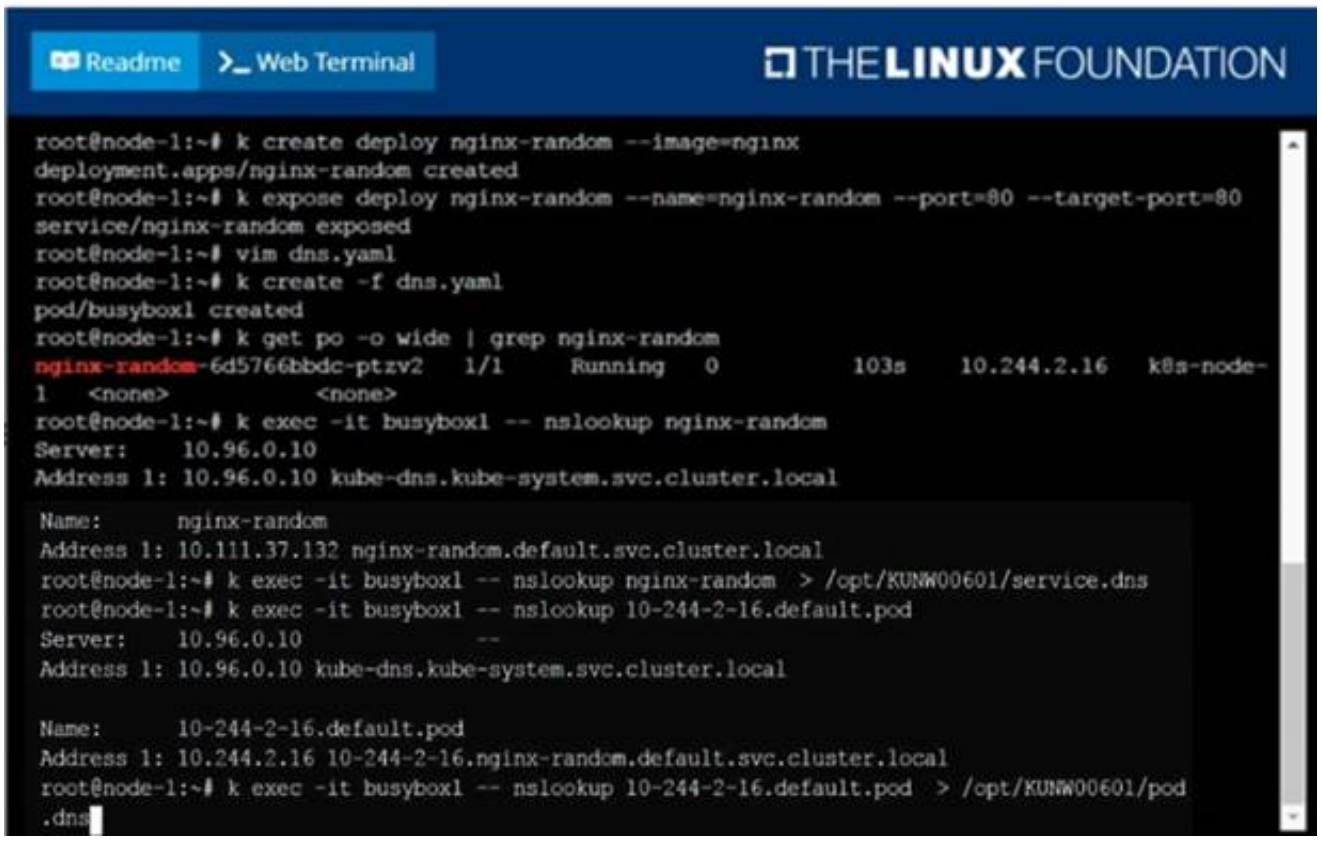

NEW QUESTION 2
Create a deployment spec file thatwill:
- Launch 7 replicas of thenginxImage with the labelapp_runtime_stage=dev
- deployment name:kual00201

Save a copy of this spec file to/opt/KUAL00201/spec_deployment.yaml (or/opt/KUAL00201/spec_deployment.json).
When you are done, clean up (delete)any new Kubernetes API object thatyou produced during this task.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
solution
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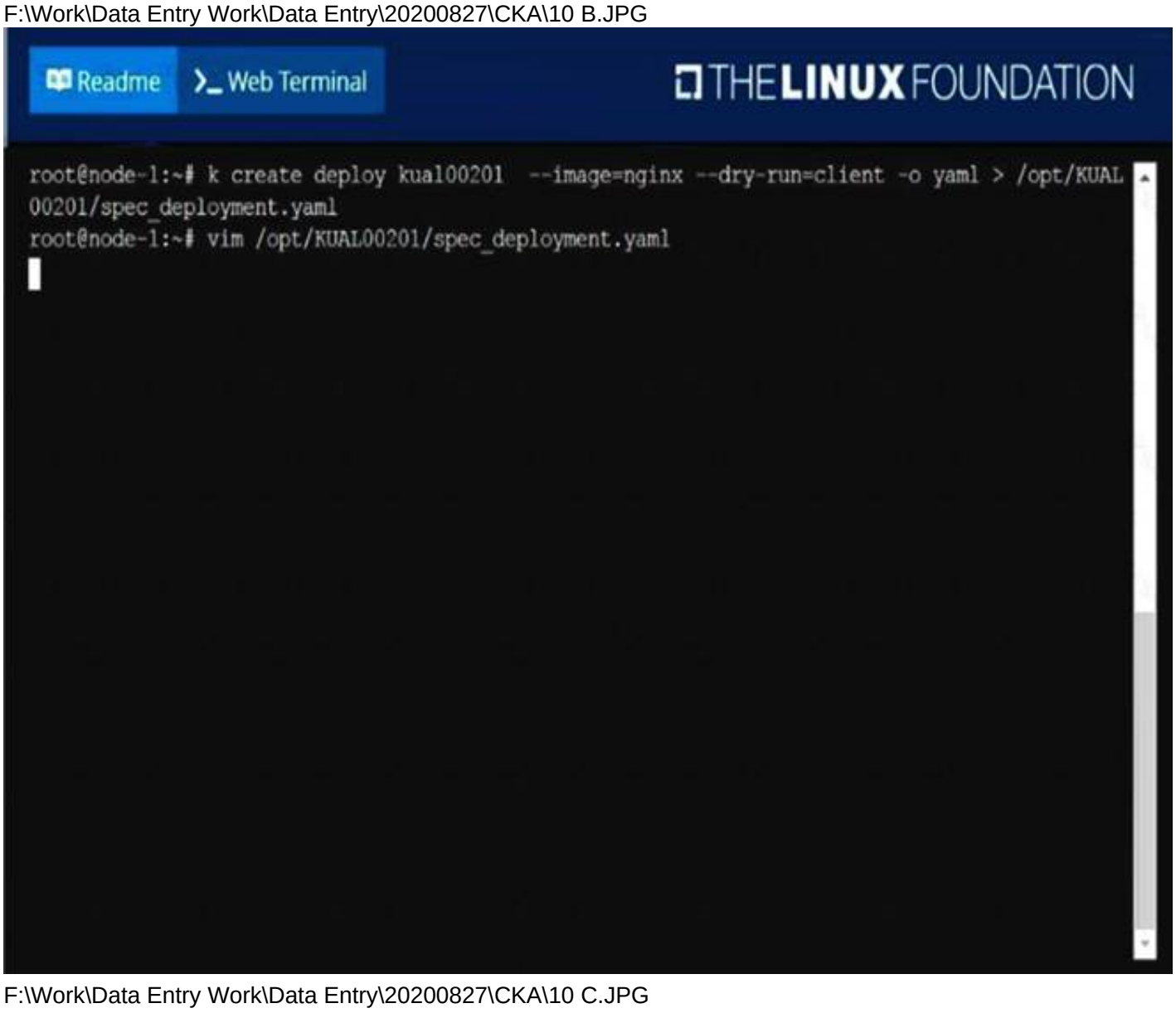

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NEW QUESTION 3
Create a pod as follows:
- Name:mongo
- Using Image:mongo
- In anew Kubernetes namespacenamed:my-website

A. Mastered
B. Not Mastered

Answer: A

Explanation:
solution
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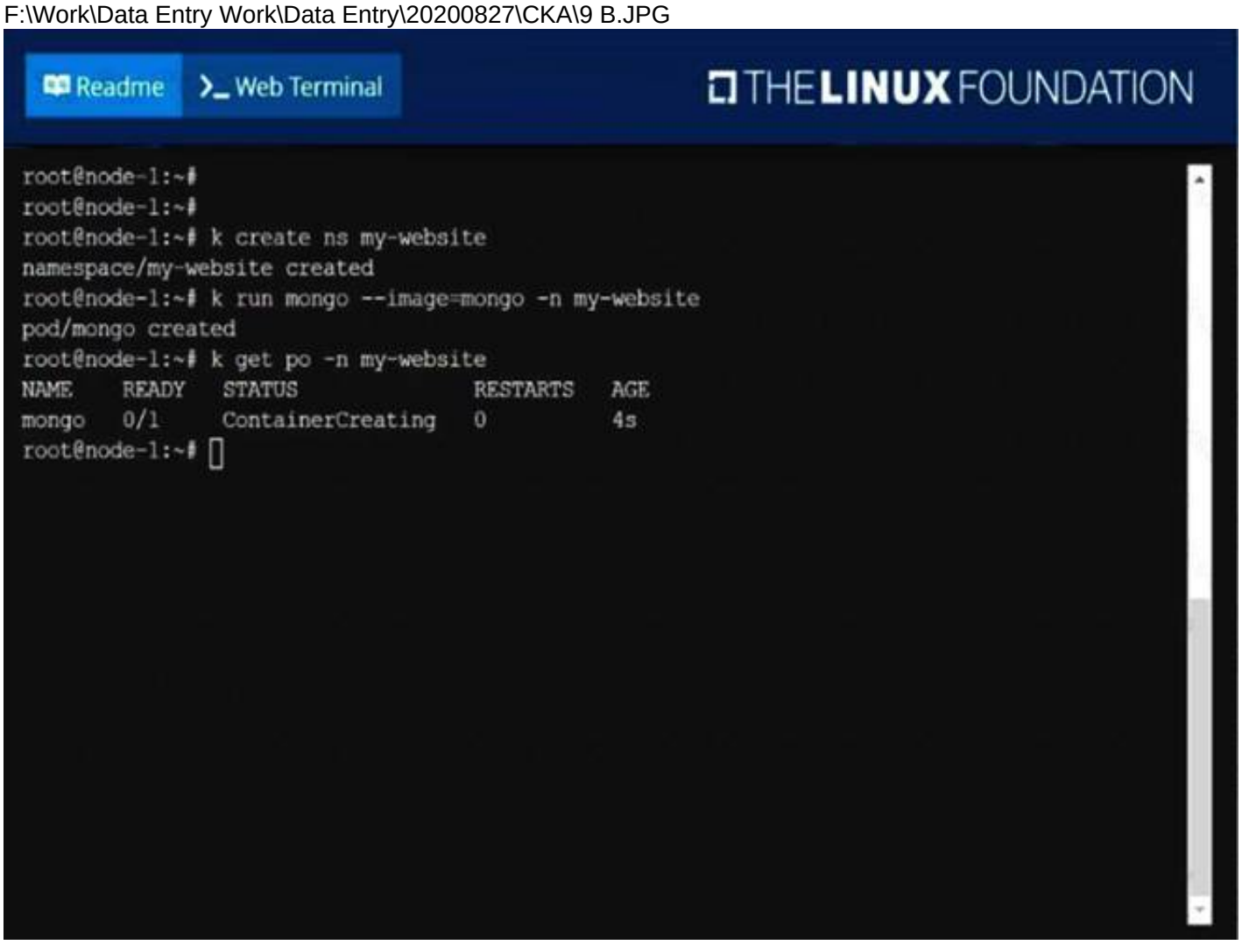

NEW QUESTION 4
List ??nginx-dev?? and ??nginx-prod?? pod and delete those pods

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 5
Create a pod with image nginx called nginx and allow traffic on port 80

A. Mastered
B. Not Mastered

Answer: A

Explanation:
kubectlrun nginx --image=nginx --restart=Never --port=80

NEW QUESTION 6
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 7
Create a namespace called 'development' and a pod with image nginx called nginx on this namespace.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
kubectl create namespace development
kubectl run nginx --image=nginx --restart=Never -n development

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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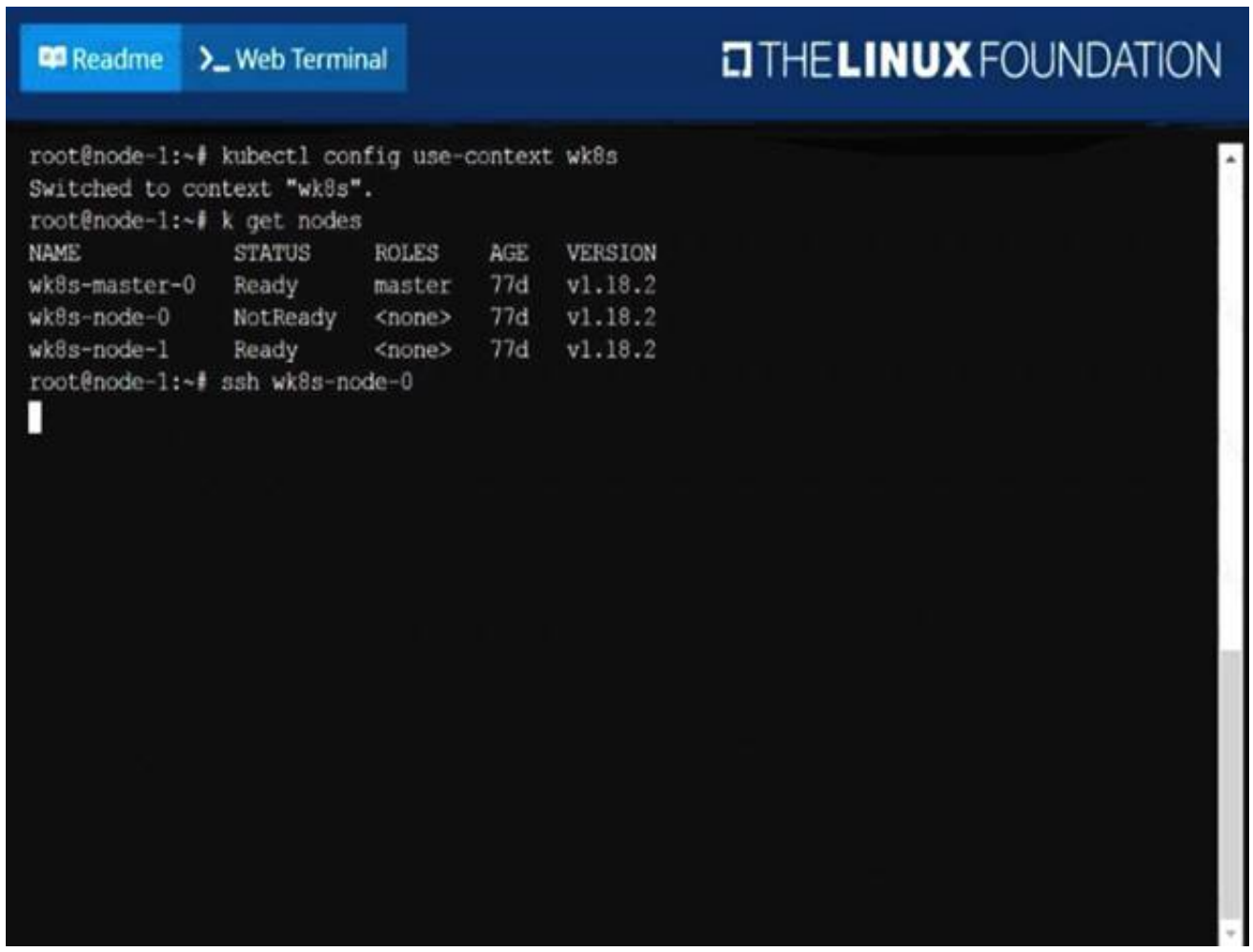

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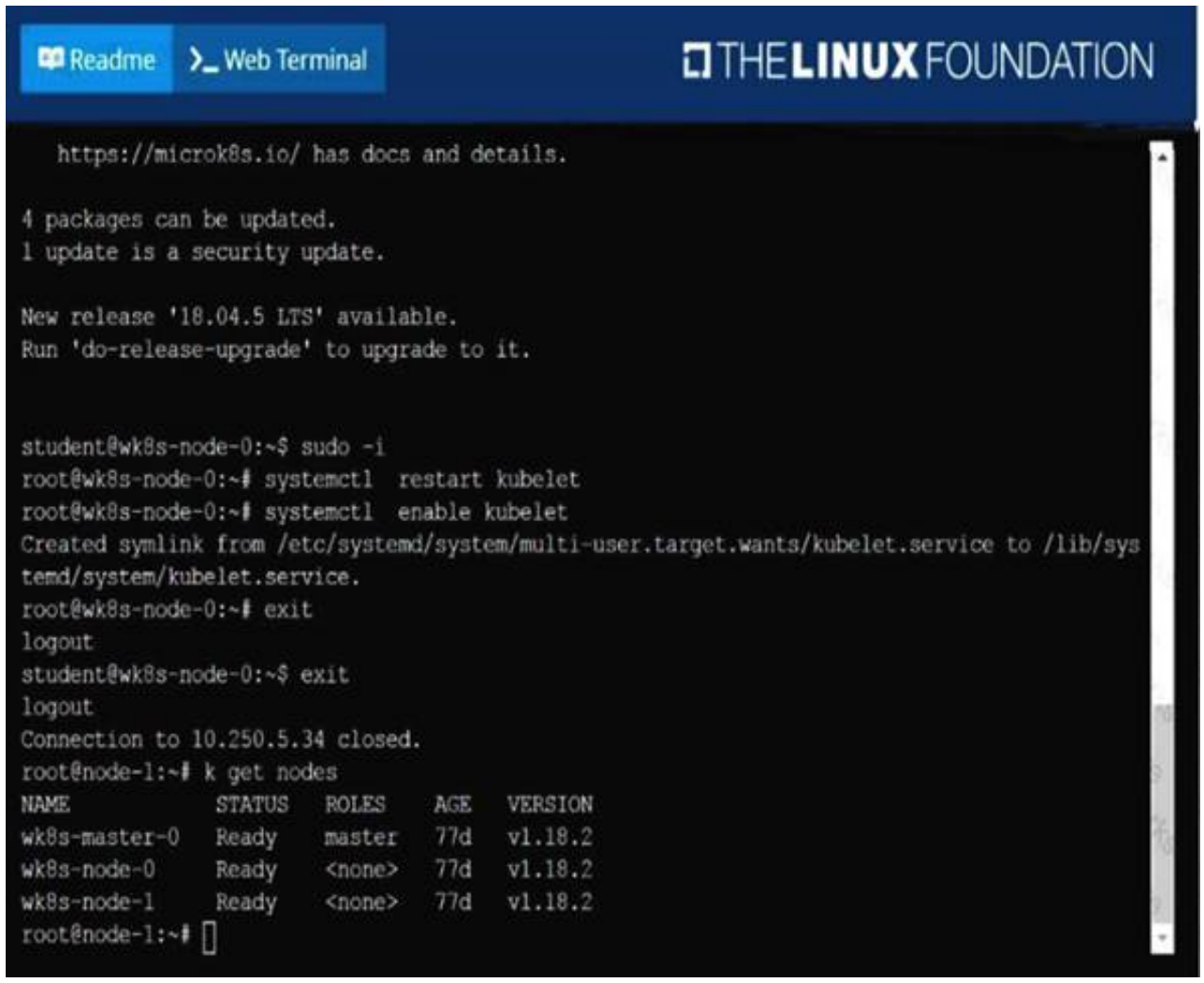

NEW QUESTION 9
Check the Image version of nginx-dev pod using jsonpath

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 10
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 10
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 11
Create a snapshot of theetcdinstance running athttps://127.0.0.1:2379, saving thesnapshot to the file path /srv/data/etcd-snapshot.db.

The following TLScertificates/key are suppliedfor connecting to the server withetcdctl:

- 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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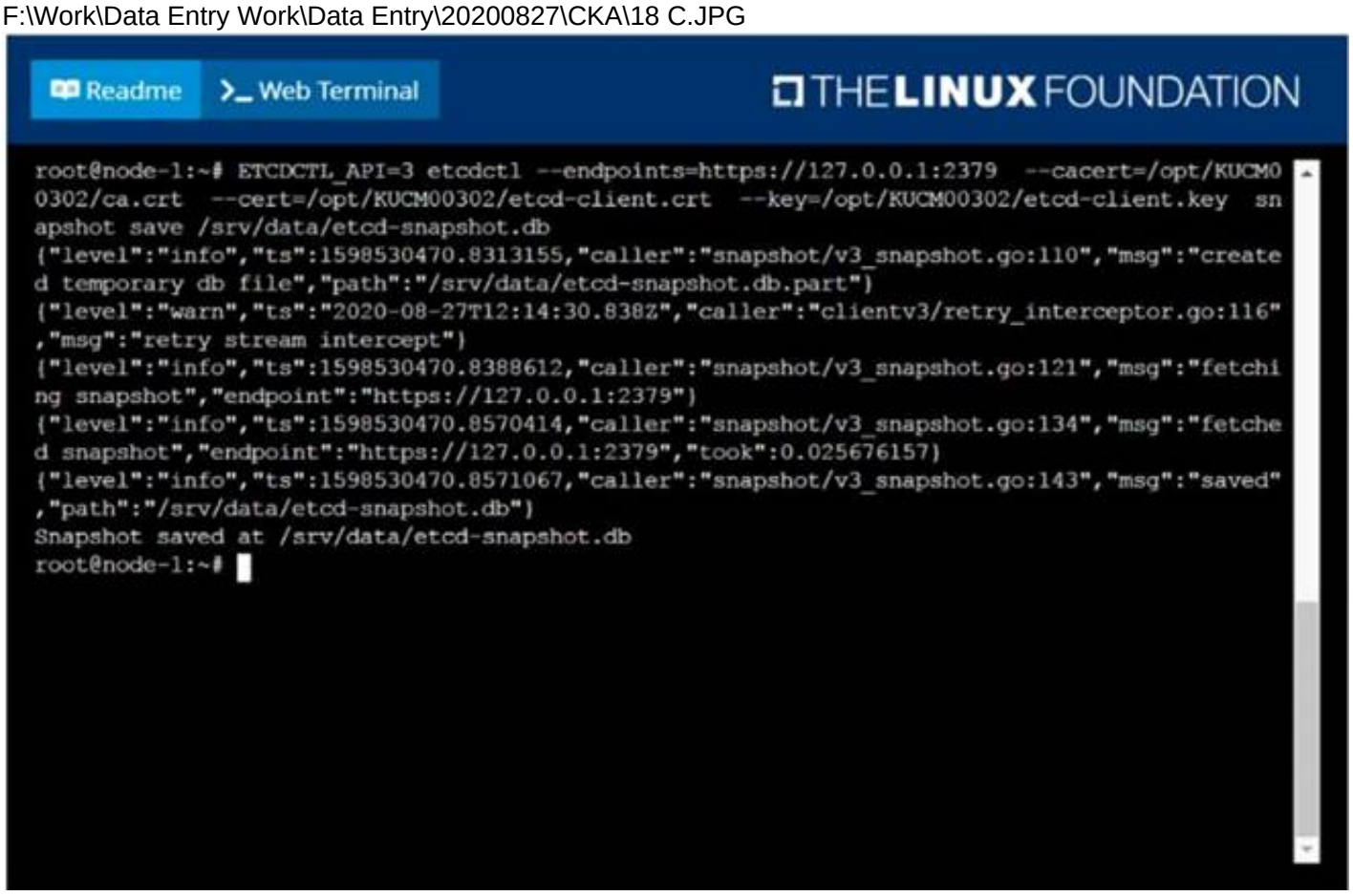

NEW QUESTION 13
Create an nginx pod and list the pod with different levels of verbosity

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 18
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