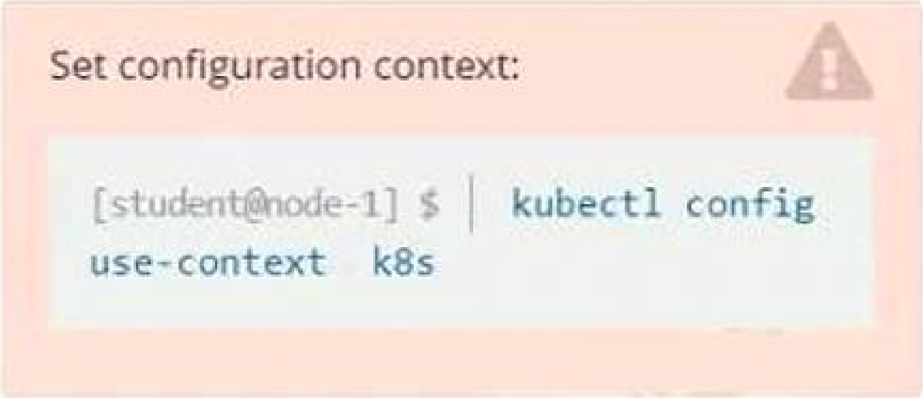
Exam Questions CKAD

Certified Kubernetes Application Developer (CKAD) Program

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

NEW QUESTION 1
Exhibit:



Set configuration context:

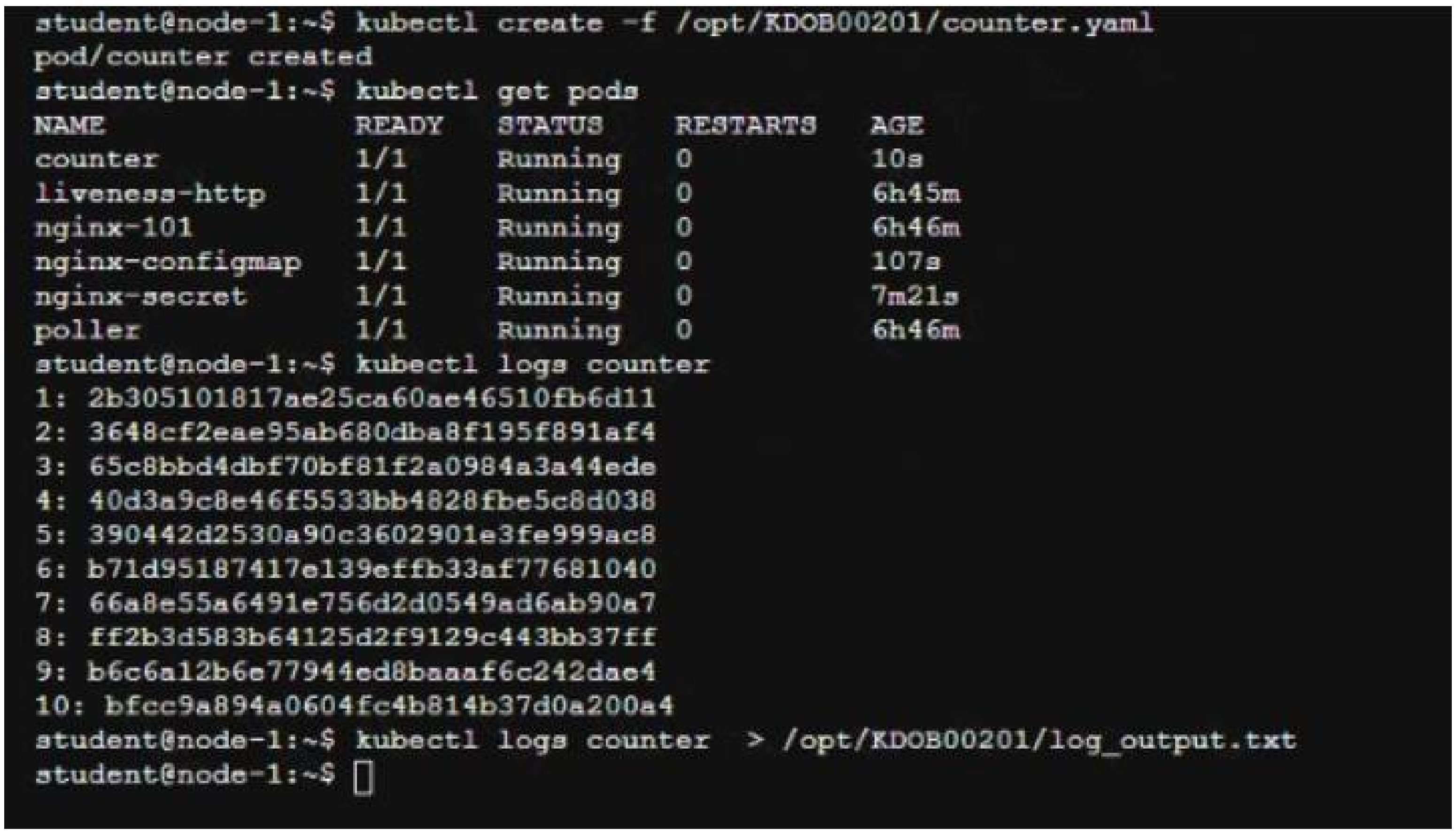
```
[student@node-1] $ | kubectl config
use-context k8s
```

Context
You sometimes need to observe a pod's logs, and write those logs to a file for further analysis. Task
Please complete the following;
• Deploy the counter pod to the cluster using the provided YAMLspec file at /opt/KDOB00201/counter.yaml
• Retrieve all currently available application logs from the running pod and store them in the file /opt/KDOB0020l/log_Output.txt, which has already been created

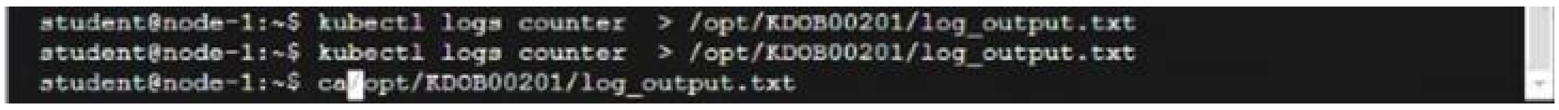
A. Mastered
B. Not Mastered

Answer: A

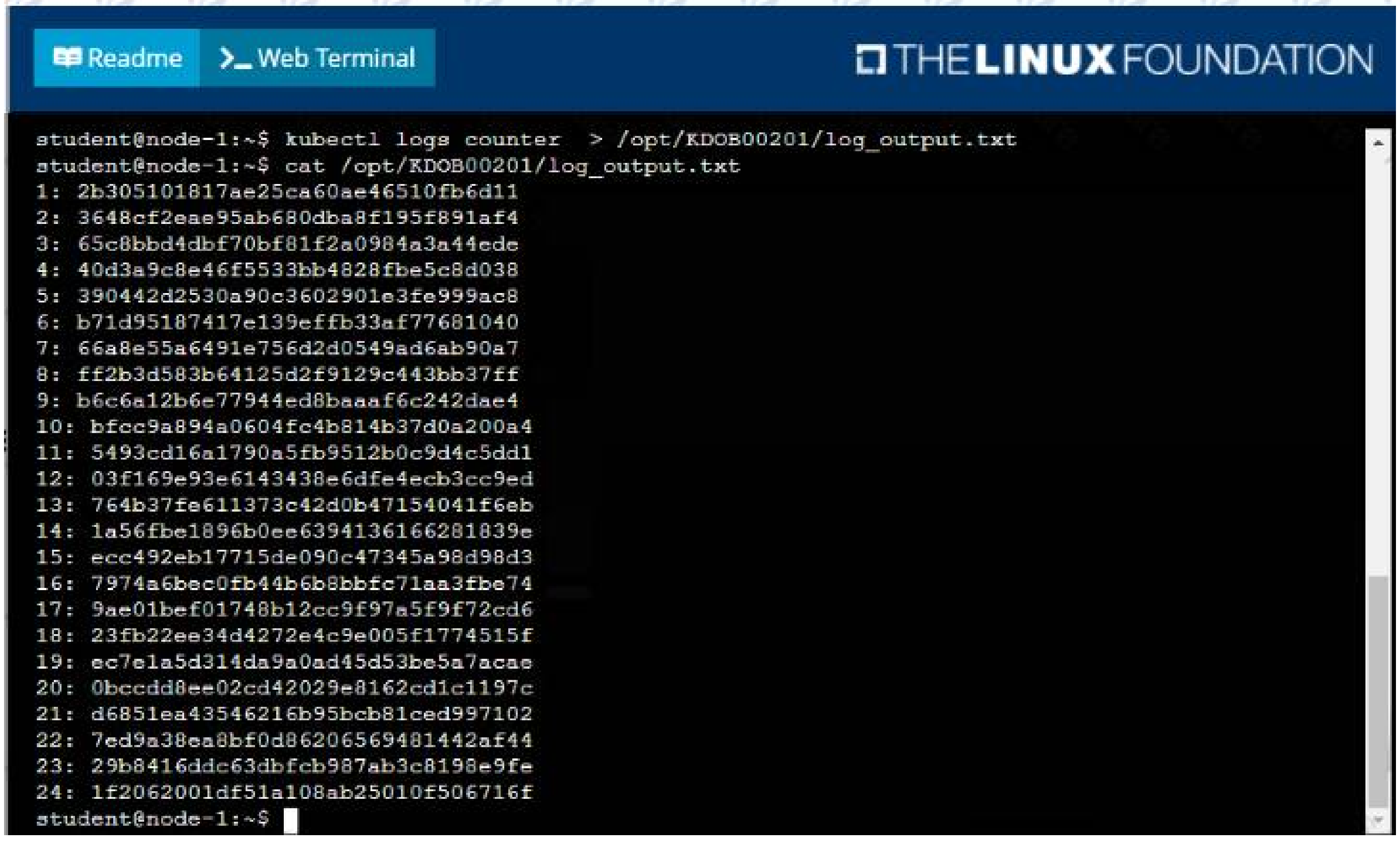
Explanation:
Solution:



```
student@node-1:~$ kubectl create -f /opt/KDOB00201/counter.yaml
pod/counter created
student@node-1:~$ kubectl get pods
NAME               READY   STATUS    RESTARTS   AGE
counter            1/1     Running   0          10s
liveness-http      1/1     Running   0          6h45m
nginx-101          1/1     Running   0          6h46m
nginx-configmap    1/1     Running   0          107s
nginx-secret       1/1     Running   0          7m21s
poller             1/1     Running   0          6h46m
student@node-1:~$ kubectl logs counter
1: 2b305101817ae25ca60ae46510fb6d11
2: 3648cf2eae95ab680dba8f195f891af4
3: 65c8bbd4dbf70bf81f2a0984a3a44ede
4: 40d3a9c8e46f5533bb4828fbe5c8d038
5: 390442d2530a90c3602901e3fe999ac8
6: b71d95187417e139effb33af77681040
7: 66a8e55a6491e756d2d0549ad6ab90a7
8: ff2b3d583b64125d2f9129c443bb37ff
9: b6c6a12b6e77944ed8baaaf6c242dae4
10: bfcc9a894a0604fc4b814b37d0a200a4
student@node-1:~$ kubectl logs counter  > /opt/KDOB00201/log_output.txt
student@node-1:~$ ▯
```

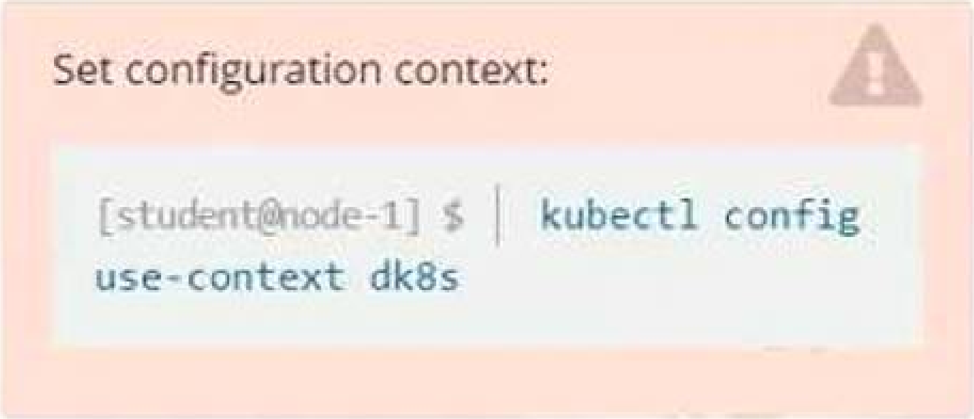


```
student@node-1:~$ kubectl logs counter  > /opt/KDOB00201/log_output.txt
student@node-1:~$ kubectl logs counter  > /opt/KDOB00201/log_output.txt
student@node-1:~$ ca/opt/KDOB00201/log_output.txt
```



```
student@node-1:~$ kubectl logs counter  > /opt/KDOB00201/log_output.txt
student@node-1:~$ cat /opt/KDOB00201/log_output.txt
1: 2b305101817ae25ca60ae46510fb6d11
2: 3648cf2eae95ab680dba8f195f891af4
3: 65c8bbd4dbf70bf81f2a0984a3a44ede
4: 40d3a9c8e46f5533bb4828fbe5c8d038
5: 390442d2530a90c3602901e3fe999ac8
6: b71d95187417e139effb33af77681040
7: 66a8e55a6491e756d2d0549ad6ab90a7
8: ff2b3d583b64125d2f9129c443bb37ff
9: b6c6a12b6e77944ed8baaaf6c242dae4
10: bfcc9a894a0604fc4b814b37d0a200a4
11: 5493cd16a1790a5fb9512b0c9d4c5dd1
12: 03f169e93e6143438e6dfe4ecb3cc9ed
13: 764b37fe611373c42d0b47154041f6eb
14: 1a56fbe1896b0ee6394136166281839e
15: ecc492eb17715de090c47345a98d98d3
16: 7974a6bec0fb44b6b8bbfc71aa3fbe74
17: 9ae01bef01748b12cc9f97a5f9f72cd6
18: 23fb22ee34d4272e4c9e005f1774515f
19: ec7e1a5d314da9a0ad45d53be5a7acae
20: 0bccdd8ee02cd42029e8162cd1c1197c
21: d6851ea43546216b95bcb81ced997102
22: 7ed9a38ea8bf0d86206569481442af44
23: 29b8416ddc63dbfcb987ab3c8198e9fe
24: 1f2062001df51a108ab25010f506716f
student@node-1:~$
```

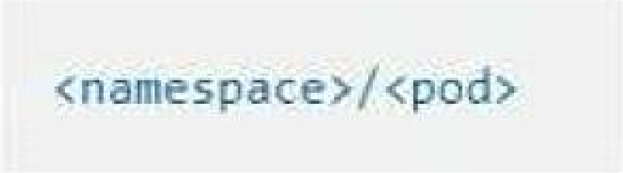
NEW QUESTION 2
Exhibit:



Set configuration context:

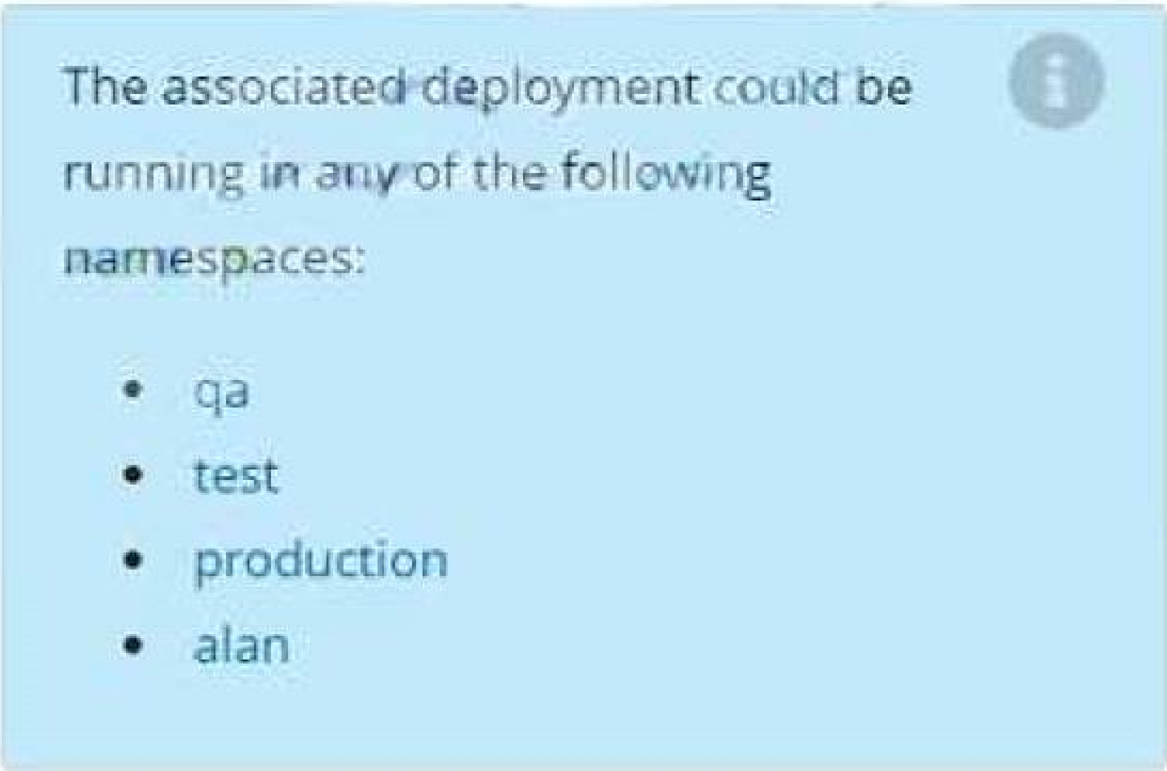
```
[student@node-1] $ | kubectl config
use-context dk8s
```

Context
A user has reported an aopticauon is unteachable due to a failing livenessProbe . Task
Perform the following tasks:
• Find the broken pod and store its name and namespace to /opt/KDOB00401/broken.txt in the format:



```
<namespace>/<pod>
```

The output file has already been created
• Store the associated error events to a file /opt/KDOB00401/error.txt, The output file has already been created. You will need to use the -o wide output specifier with your command
• Fix the issue.



The associated deployment could be running in any of the following namespaces:

- qa
- test
- production
- alan

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Solution:
Create the Pod: kubectlcreate-f
http://k8s.io/docs/tasks/configure-pod-container/
exec-liveness.yaml
Within 30 seconds, view the Pod events: kubectldescribepod liveness-exec
The output indicates that no liveness probes have failed yet:

```
FirstSeen LastSeen CountFrom SubobjectPath Type Reason Message
--------- -------- ----- ---- ------------- -------- ------ ------
24s 24s 1{default-scheduler } NormalScheduled Successfully assigned liveness-exec to worker0
23s 23s 1{kubelet worker0} spec.containers{liveness} NormalPulling pulling image"gcr.io/google_containers/busybox"
23s 23s 1{kubelet worker0} spec.containers{liveness} NormalPulled Successfully pulled image"gcr.io/google_containers/busybox"
23s 23s 1{kubelet worker0} spec.containers{liveness} NormalCreated Created container with docker id86849c15382e; Security:[seccomp=unconfined]
23s 23s 1{kubelet worker0} spec.containers{liveness} NormalStarted Started container with docker id86849c15382e
```

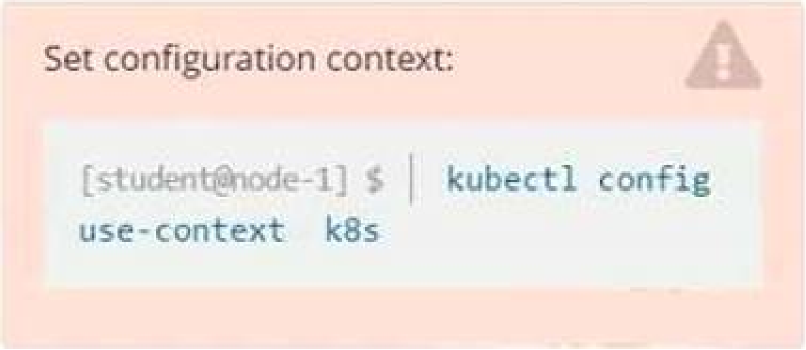
After 35 seconds, view the Pod events again: kubectldescribepod liveness-exec
At the bottom of the output, there are messages indicating that the liveness probes have failed, and the containers have been killed and recreated.

```
FirstSeen LastSeen Count From SubobjectPath Type Reason Message
--------- -------- ----- ---- ------------- -------- ------ ------
37s 37s 1{default-scheduler } Normal Scheduled Successfully assigned liveness-exectoworker0
36s 36s 1{kubelet worker0} spec.containers{liveness} Normal Pulling pulling image"gcr.io/google_containers/busybox"
36s 36s 1{kubelet worker0} spec.containers{liveness} Normal Pulled Successfully pulled image"gcr.io/google_containers/busybox"
36s 36s 1{kubelet worker0} spec.containers{liveness} Normal Created Created containerwithdocker id86849c15382e; Security:[seccomp=unconfined]
36s 36s 1{kubelet worker0} spec.containers{liveness} Normal Started Started containerwithdocker id86849c15382e
2s 2s 1{kubelet worker0} spec.containers{liveness} Warning Unhealthy Liveness probe failed: cat: can't open
'/tmp/healthy': No suchfileordirectory
```

Wait another 30 seconds, and verify that the Container has been restarted: kubectl get pod liveness-exec
The output shows that RESTARTS has been incremented:

```
NAMEREADY STATUSRESTARTS AGE
liveness-exec 1/1Running 1m
```

NEW QUESTION 3
Exhibit:



Set configuration context:

```
[student@node-1] $ | kubectl config
use-context  k8s
```

Context
A container within the poller pod is hard-coded to connect the nginxsvc service on port90 . As this port changes to5050 an additional container needs to be added to the poller pod which adapts the container to connect to this new port. This should be realized as an ambassador container within the pod.
Task
• Update the nginxsvc service to serve on port5050.
• Add an HAproxy container named haproxy bound to port90 tothe poller pod and deploy the enhanced pod. Use the image haproxy and inject the configuration located at /opt/KDMC00101/haproxy.cfg, with a ConfigMap named haproxy-config, mounted into the container so that haproxy.cfg is available at /usr/local/etc/haproxy/haproxy.cfg. Ensure that you update the args of the poller container to connect to localhost instead of nginxsvc so that the connection is correctly proxied to the new service endpoint. You must not modify the port of the endpoint in poller's args . The spec file used to create the initial poller pod is available in /opt/KDMC00101/poller.yaml

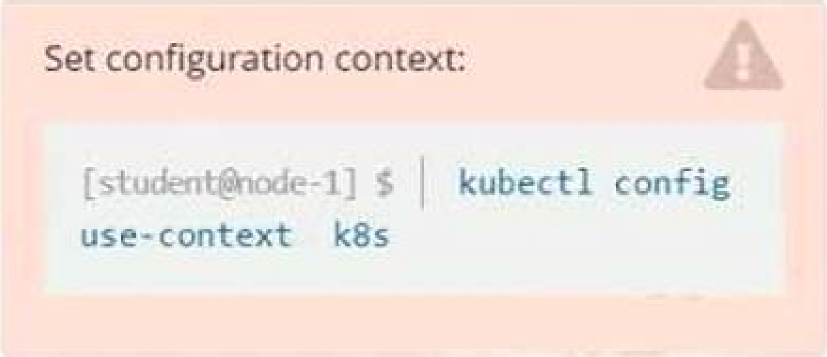
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution: apiVersion: apps/v1 kind: Deployment metadata:
name: my-nginx spec:
selector: matchLabels: run: my-nginx replicas: 2 template: metadata: labels:
run: my-nginx spec: containers:
- name: my-nginx image: nginx ports:
- containerPort: 90
This makes it accessible from any node in your cluster. Check the nodes the Pod is running on: kubectl apply -f ./run-my-nginx.yaml
kubectl get pods -lrun=my-nginx -o wide
NAME READY STATUS RESTARTS AGE IP NODE
my-nginx-3800858182-jr4a2 1/1 Running 0 13s 10.244.3.4 kubernetes-minion-905m
my-nginx-3800858182-kna2y 1/1 Running 0 13s 10.244.2.5 kubernetes-minion-ljyd Check your pods' IPs:
kubectl get pods -lrun=my-nginx -o yaml | grep podIP podIP: 10.244.3.4
podIP: 10.244.2.5

NEW QUESTION 4

Exhibit:



Set configuration context:

```
[student@node-1] $ | kubectl config
use-context k8s
```

Context
A pod is running on the cluster but it is not responding. Task
The desired behavior is to have Kubemetes restart the pod when an endpoint returns an HTTP 500 on the
/healthz endpoint. The service, probe-pod, should never send traffic to the pod while it is failing. Please complete the following:

- The application has an endpoint, /started, that will indicate if it can accept traffic by returning an HTTP 200. If the endpoint returns an HTTP 500, the application has not yet finished initialization.
- The application has another endpoint /healthz that will indicate if the application is still working as expected by returning an HTTP 200. If the endpoint returns an HTTP 500 the application is no longer responsive.
- Configure the probe-pod pod provided to use these endpoints
- The probes should use port 8080

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution:

```
apiVersion:v1 kind:Pod metadata: labels: test:liveness
name:liveness-exec
spec: containers:
-name:liveness
image:k8s.gcr.io/busybox args:
- /bin/sh
- -c
- touch/tmp/healthy;sleep30;rm-rf/tmp/healthy;sleep600
livenessProbe: exec: command:
- cat
- /tmp/healthy initialDelaySeconds:5 periodSeconds:5
```

In the configuration file, you can see that the Pod has a single Container. The periodSeconds field specifies that the kubelet should perform a liveness probe every 5 seconds. The initialDelaySeconds field tells the kubelet that it should wait 5 seconds before performing the first probe. To perform a probe, the kubelet executes the command cat /tmp/healthy in the target container. If the command succeeds, it returns 0, and the kubelet considers the container to be alive and healthy. If the command returns a non-zero value, the kubelet kills the container and restarts it.
When the container starts, it executes this command:
/bin/sh -c"touch /tmp/healthy; sleep 30; rm -rf /tmp/healthy; sleep 600"
For the first 30 seconds of the container's life, there is a /tmp/healthy file. So during the first 30 seconds, the command cat /tmp/healthy returns a success code. After 30 seconds, cat /tmp/healthy returns a failure co
Create the Pod:
kubectl apply -f https://k8s.io/examples/pods/probe/exec-liveness.yaml Within 30 seconds, view the Pod events:
kubectl describe pod liveness-exec
The output indicates that no liveness probes have failed yet:

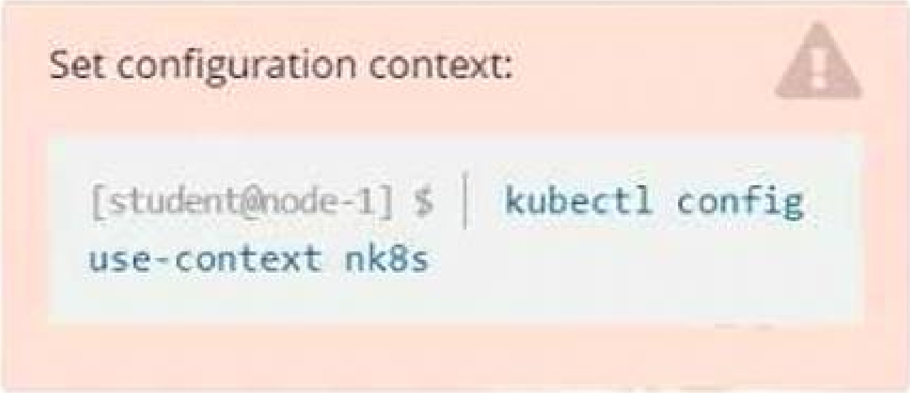
```
FirstSeen LastSeen Count From SubobjectPath Type Reason Message
--------- -------- ----- ---- ------------- -------- ------ ------
24s 24s 1 {default-scheduler } Normal Scheduled Successfully assigned liveness-exec to worker0
23s 23s 1 {kubelet worker0} spec.containers{liveness} Normal Pulling pulling image "k8s.gcr.io/busybox" 23s 23s 1 {kubelet worker0} spec.containers{liveness} Normal Pulled Successfully pulled image
"k8s.gcr.io/busybox"
23s 23s 1 {kubelet worker0} spec.containers{liveness} Normal Created Created container with docker id 86849c15382e; Security:[seccomp=unconfined]
23s 23s 1 {kubelet worker0} spec.containers{liveness} Normal Started Started container with docker id 86849c15382e
```

After 35 seconds, view the Pod events again: kubectl describe pod liveness-exec
At the bottom of the output, there are messages indicating that the liveness probes have failed, and the containers have been killed and recreated.

```
FirstSeen LastSeen Count From SubobjectPath Type Reason Message
--------- -------- ----- ---- ------------- -------- ------ ------
37s 37s 1 {default-scheduler } Normal Scheduled Successfully assigned liveness-exec to worker0
36s 36s 1 {kubelet worker0} spec.containers{liveness} Normal Pulling pulling image "k8s.gcr.io/busybox" 36s 36s 1 {kubelet worker0} spec.containers{liveness} Normal Pulled Successfully pulled image
"k8s.gcr.io/busybox"
36s 36s 1 {kubelet worker0} spec.containers{liveness} Normal Created Created container with docker id 86849c15382e; Security:[seccomp=unconfined]
36s 36s 1 {kubelet worker0} spec.containers{liveness} Normal Started Started container with docker id 86849c15382e
2s 2s 1 {kubelet worker0} spec.containers{liveness} Warning Unhealthy Liveness probe failed: cat: can't open '/tmp/healthy': No such file or directory
```

Wait another 30 seconds, and verify that the container has been restarted: kubectl get pod liveness-exec
The output shows that RESTARTS has been incremented: NAME READY STATUS RESTARTS AGE
liveness-exec 1/1 Running 1 1m

NEW QUESTION 5
Exhibit:



Set configuration context:

```
[student@node-1] $ | kubectl config
use-context nk8s
```

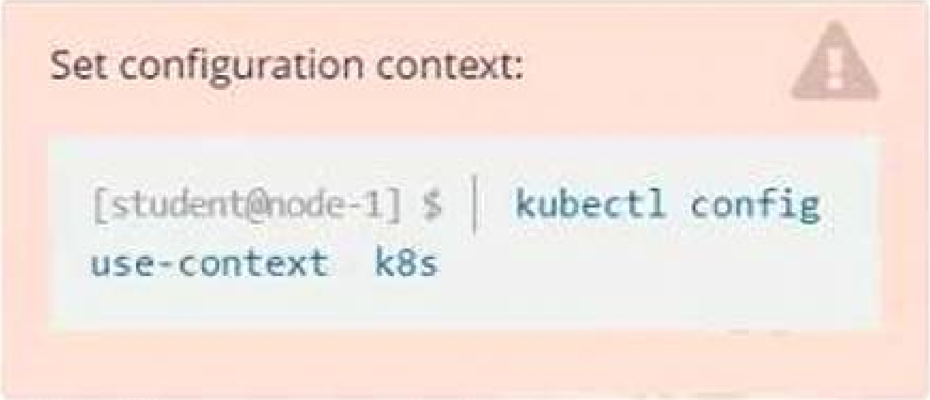
Task
A deployment is falling on the cluster due to an incorrect image being specified. Locate the deployment, and fix the problem.
Pending

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Suggest the Solution.

NEW QUESTION 6
Exhibit:



Set configuration context:

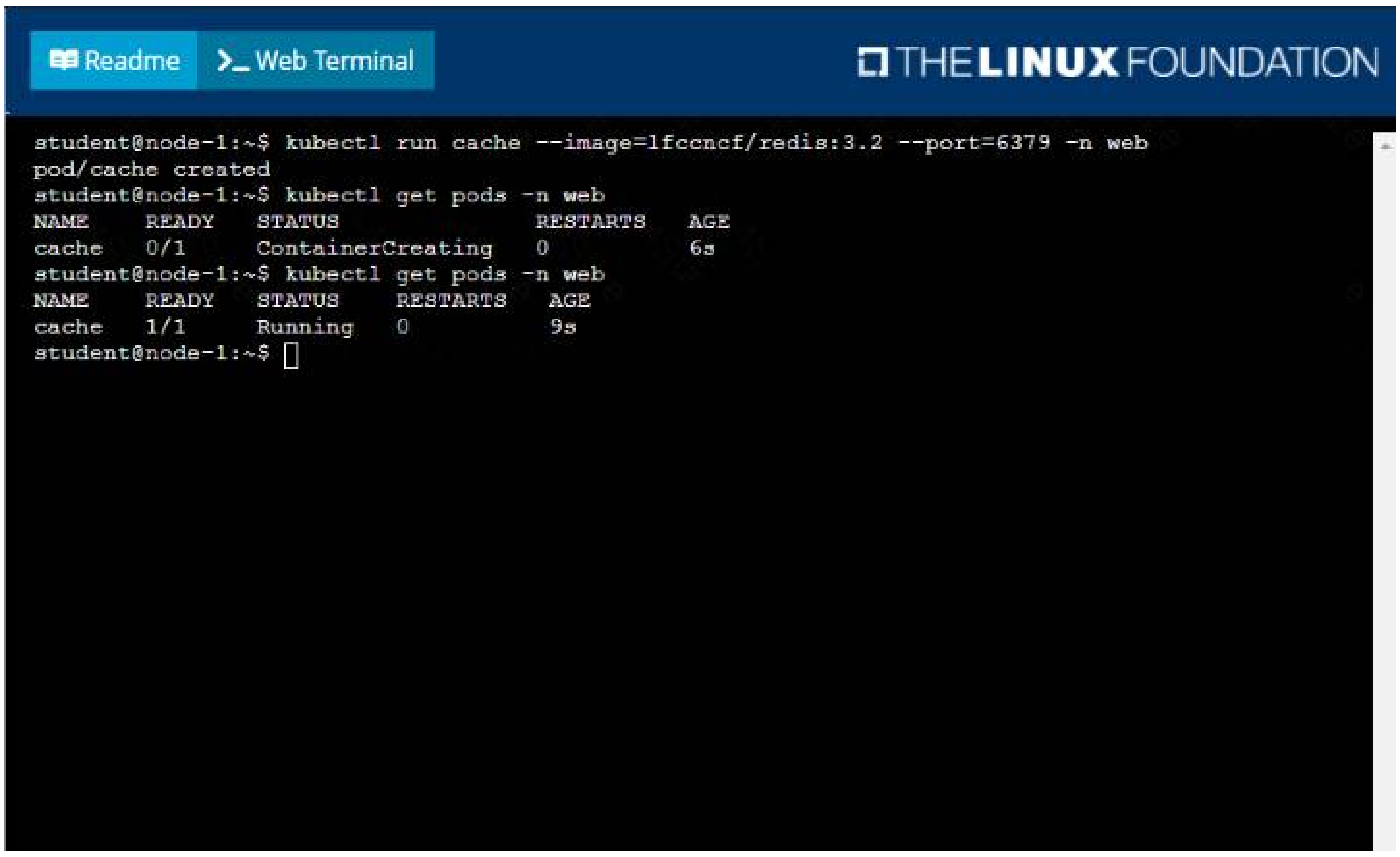
```
[student@node-1] $ | kubectl config
use-context  k8s
```

Context
Your application’s namespace requires a specific service account to be used.
Task
Update the app-adeployment in theproductionnamespace to run as therestrictedserviceservice account. The service account has already been created.

A. Mastered
B. Not Mastered

Answer: A

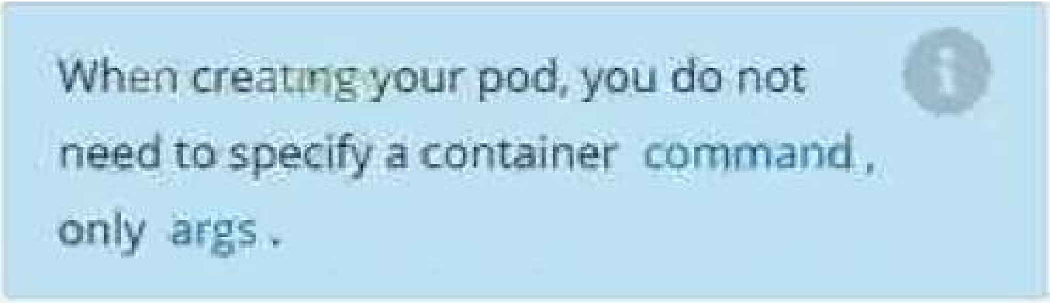
Explanation:
Solution:



```
student@node-1:~$ kubectl run cache --image=lfccncf/redis:3.2 --port=6379 -n web
pod/cache created
student@node-1:~$ kubectl get pods -n web
NAME     READY   STATUS              RESTARTS   AGE
cache    0/1     ContainerCreating   0          6s
student@node-1:~$ kubectl get pods -n web
NAME     READY   STATUS    RESTARTS   AGE
cache    1/1     Running   0          9s
student@node-1:~$
```

NEW QUESTION 7
Context

Anytime a team needs to run a container on Kubernetes they will need to define a pod within which to run the container.
Task
Please complete the following:
• Create a YAML formatted pod manifest
/opt/KDPD00101/podl.yml to create a pod named app1 that runs a container named app1cont using image lfccncf/arg-output
with these command line arguments: -lines 56 -F
• Create the pod with the kubect1 command using the YAML file created in the previous step
• When the pod is running display summary data about the pod in JSON format using the kubect1 command and redirect the output to a file named
/opt/KDPD00101/out1.json
• All of the files you need to work with have been created, empty, for your convenience

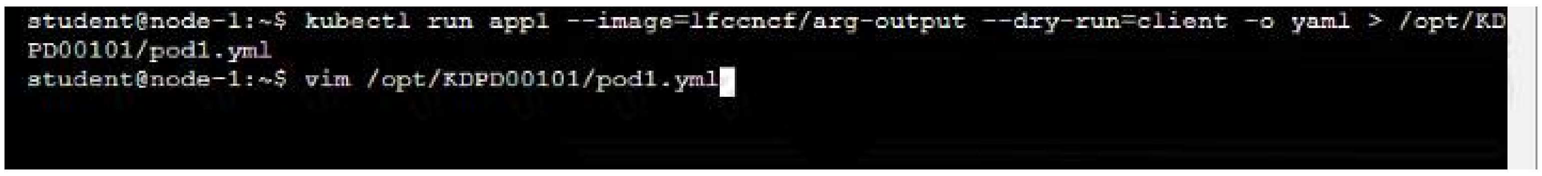


When creating your pod, you do not need to specify a container command, only args.

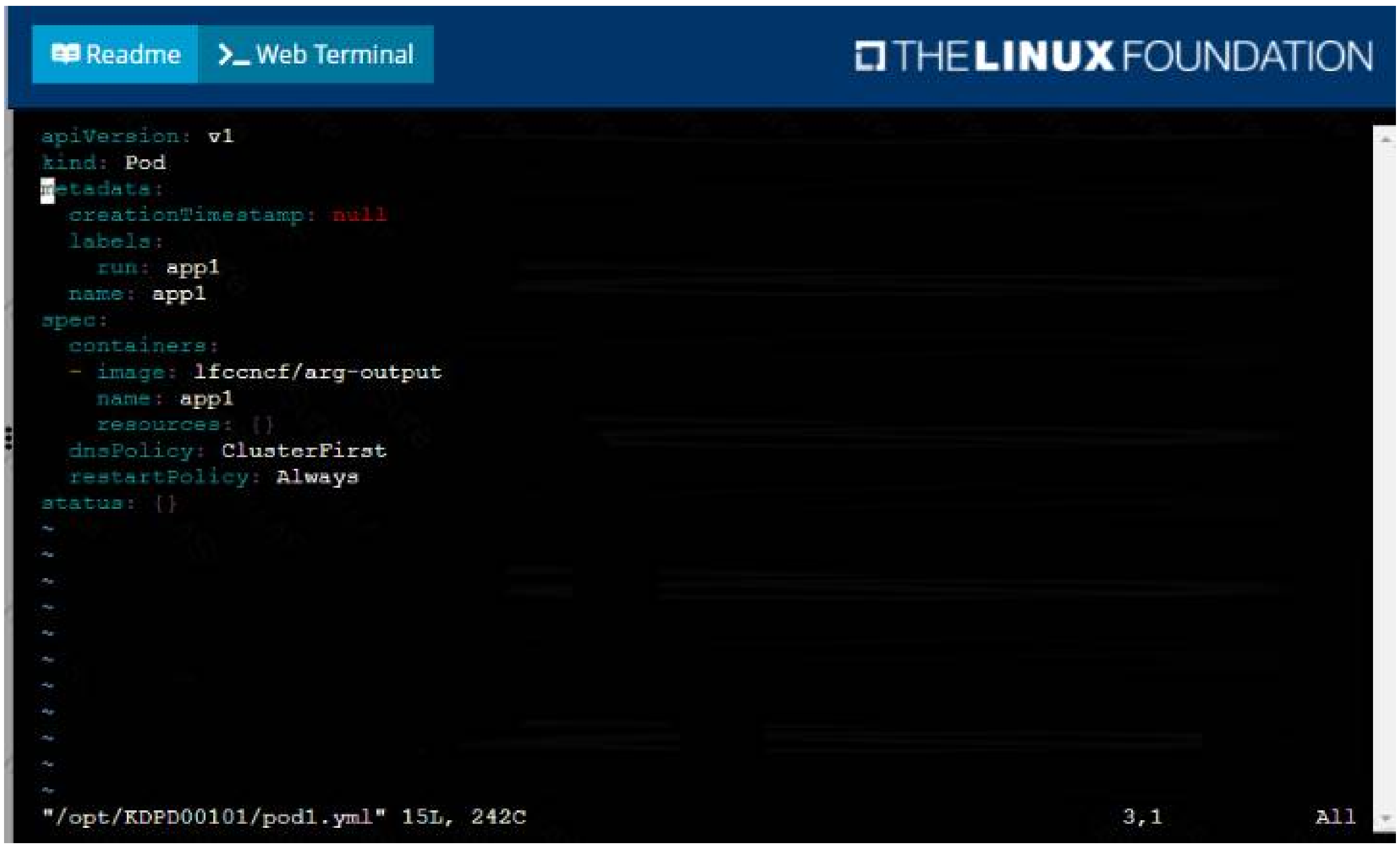
A. Mastered
B. Not Mastered

Answer: A

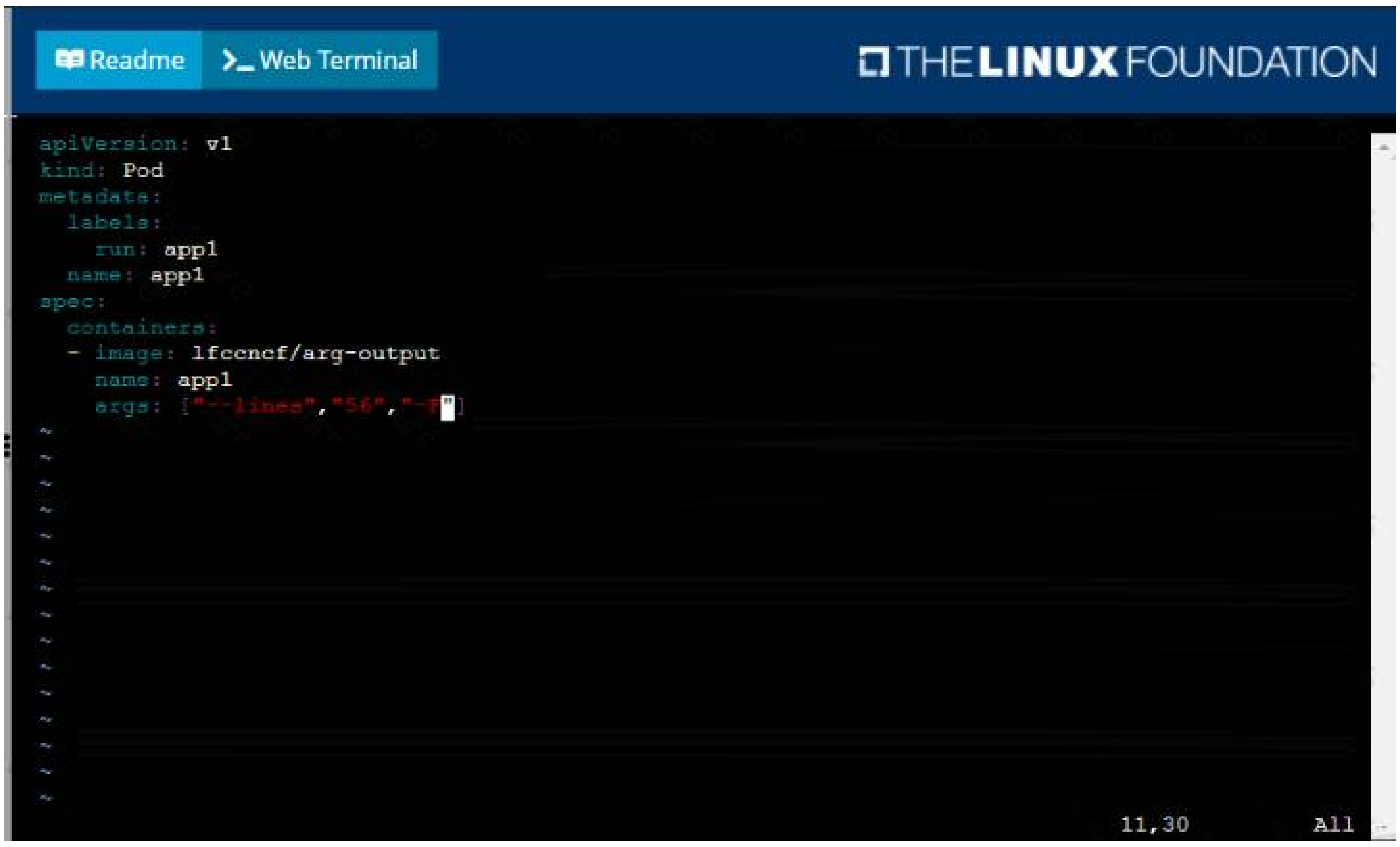
Explanation:
Solution:



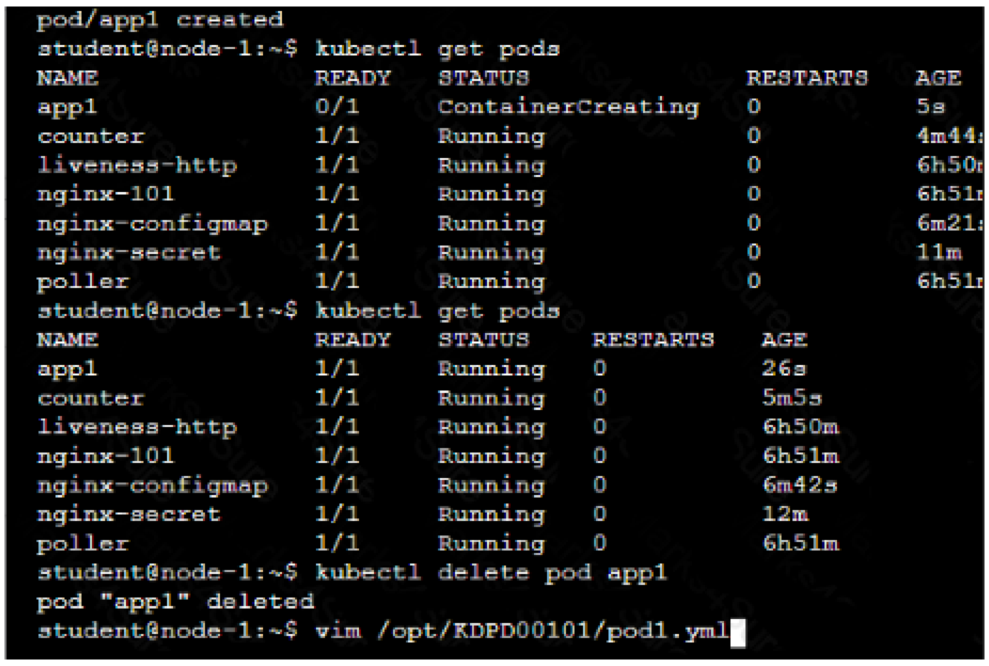
```
student@node-1:~$ kubectl run app1 --image=lfccncf/arg-output --dry-run=client -o yaml > /opt/KD
PD00101/pod1.yml
student@node-1:~$ vim /opt/KDPD00101/pod1.yml
```



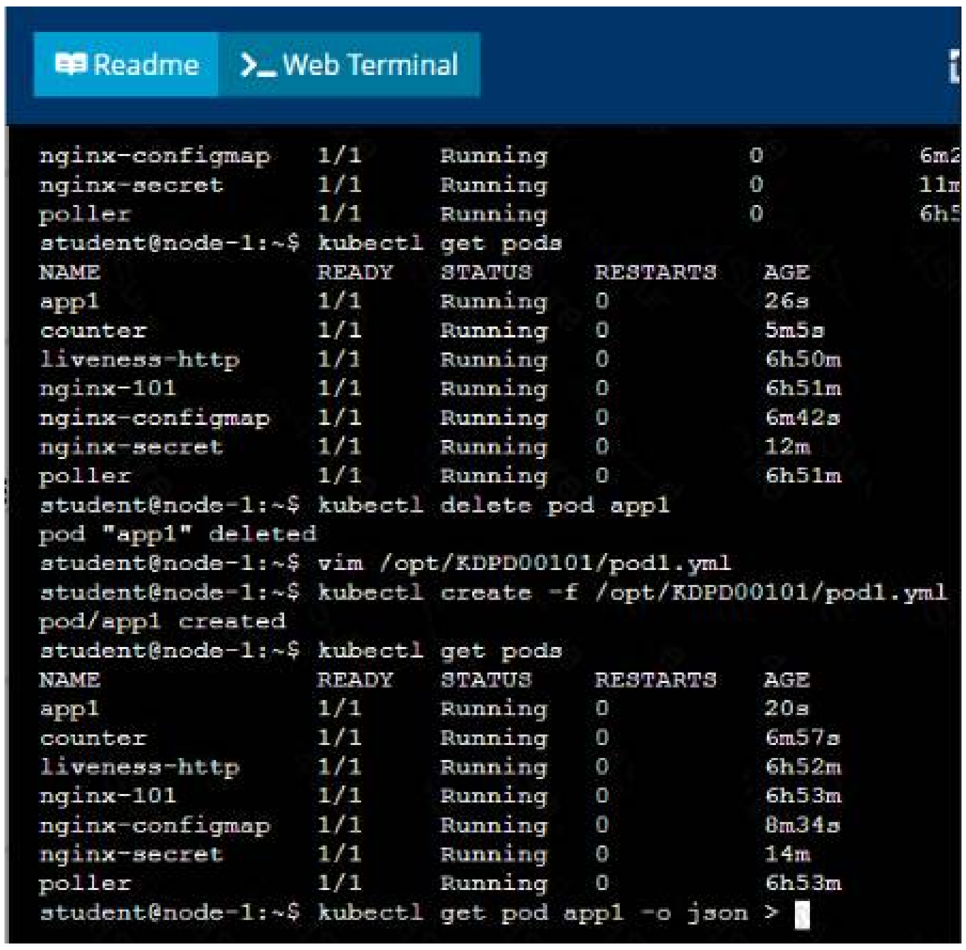
```
apiVersion: v1
kind: Pod
metadata:
  creationTimestamp: null
  labels:
    run: app1
  name: app1
spec:
  containers:
  - image: lfccncf/arg-output
    name: app1
    resources: {}
  dnsPolicy: ClusterFirst
  restartPolicy: Always
status: {}
~
~
~
~
~
~
~
~
~
~
~
"/opt/KDPD00101/pod1.yml" 15L, 242C                                          3,1           All
```



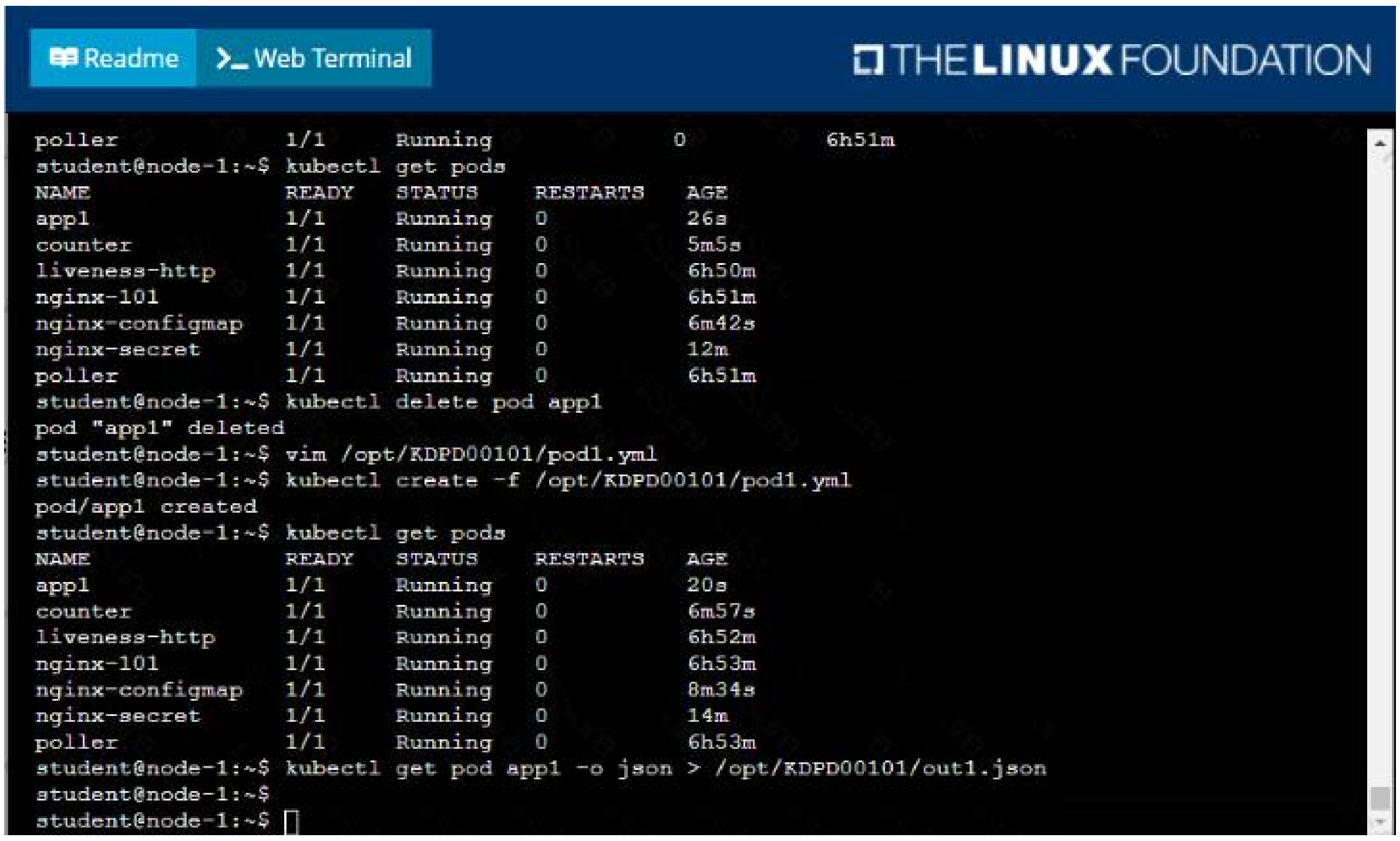
```
apiVersion: v1
kind: Pod
metadata:
  labels:
    run: app1
  name: app1
spec:
  containers:
  - image: lfccncf/arg-output
    name: app1
    args: ["--lines","56","-F"]
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
                                                                  11,30          All
```



```
pod/app1 created
student@node-1:~$ kubectl get pods
NAME             READY   STATUS              RESTARTS   AGE
app1             0/1     ContainerCreating   0          5s
counter          1/1     Running             0          4m44
liveness-http    1/1     Running             0          6h50
nginx-101        1/1     Running             0          6h51
nginx-configmap  1/1     Running             0          6m21
nginx-secret     1/1     Running             0          11m
poller           1/1     Running             0          6h51
student@node-1:~$ kubectl get pods
NAME             READY   STATUS    RESTARTS   AGE
app1             1/1     Running   0          26s
counter          1/1     Running   0          5m5s
liveness-http    1/1     Running   0          6h50m
nginx-101        1/1     Running   0          6h51m
nginx-configmap  1/1     Running   0          6m42s
nginx-secret     1/1     Running   0          12m
poller           1/1     Running   0          6h51m
student@node-1:~$ kubectl delete pod app1
pod "app1" deleted
student@node-1:~$ vim /opt/KDPD00101/pod1.yml
```

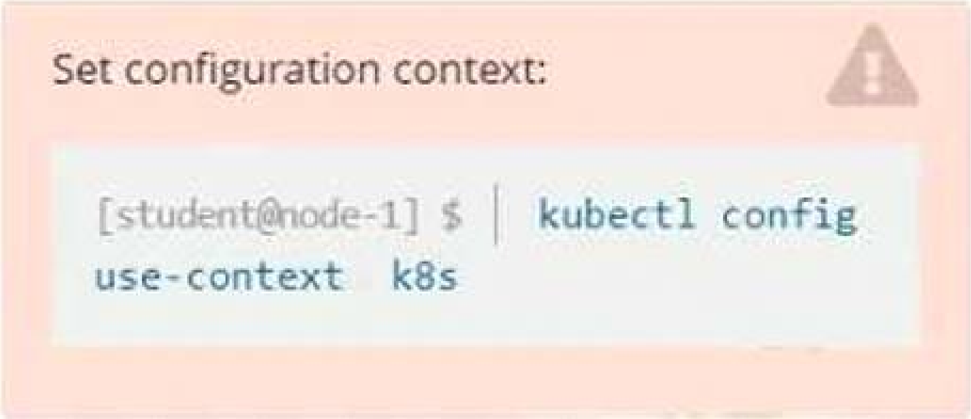


```
nginx-configmap  1/1     Running             0          6m2
nginx-secret     1/1     Running             0          11m
poller           1/1     Running             0          6h5
student@node-1:~$ kubectl get pods
NAME             READY   STATUS    RESTARTS   AGE
app1             1/1     Running   0          26s
counter          1/1     Running   0          5m5s
liveness-http    1/1     Running   0          6h50m
nginx-101        1/1     Running   0          6h51m
nginx-configmap  1/1     Running   0          6m42s
nginx-secret     1/1     Running   0          12m
poller           1/1     Running   0          6h51m
student@node-1:~$ kubectl delete pod app1
pod "app1" deleted
student@node-1:~$ vim /opt/KDPD00101/pod1.yml
student@node-1:~$ kubectl create -f /opt/KDPD00101/pod1.yml
pod/app1 created
student@node-1:~$ kubectl get pods
NAME             READY   STATUS    RESTARTS   AGE
app1             1/1     Running   0          20s
counter          1/1     Running   0          6m57s
liveness-http    1/1     Running   0          6h52m
nginx-101        1/1     Running   0          6h53m
nginx-configmap  1/1     Running   0          8m34s
nginx-secret     1/1     Running   0          14m
poller           1/1     Running   0          6h53m
student@node-1:~$ kubectl get pod app1 -o json >
```



```
poller              1/1     Running           0         6h51m
student@node-1:~$ kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
app1                1/1     Running   0          26s
counter             1/1     Running   0          5m5s
liveness-http       1/1     Running   0          6h50m
nginx-101           1/1     Running   0          6h51m
nginx-configmap     1/1     Running   0          6m42s
nginx-secret        1/1     Running   0          12m
poller              1/1     Running   0          6h51m
student@node-1:~$ kubectl delete pod app1
pod "app1" deleted
student@node-1:~$ vim /opt/KDPD00101/pod1.yml
student@node-1:~$ kubectl create -f /opt/KDPD00101/pod1.yml
pod/app1 created
student@node-1:~$ kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
app1                1/1     Running   0          20s
counter             1/1     Running   0          6m57s
liveness-http       1/1     Running   0          6h52m
nginx-101           1/1     Running   0          6h53m
nginx-configmap     1/1     Running   0          8m34s
nginx-secret        1/1     Running   0          14m
poller              1/1     Running   0          6h53m
student@node-1:~$ kubectl get pod app1 -o json > /opt/KDPD00101/out1.json
student@node-1:~$
student@node-1:~$ 
```

NEW QUESTION 8
Exhibit:



Set configuration context:

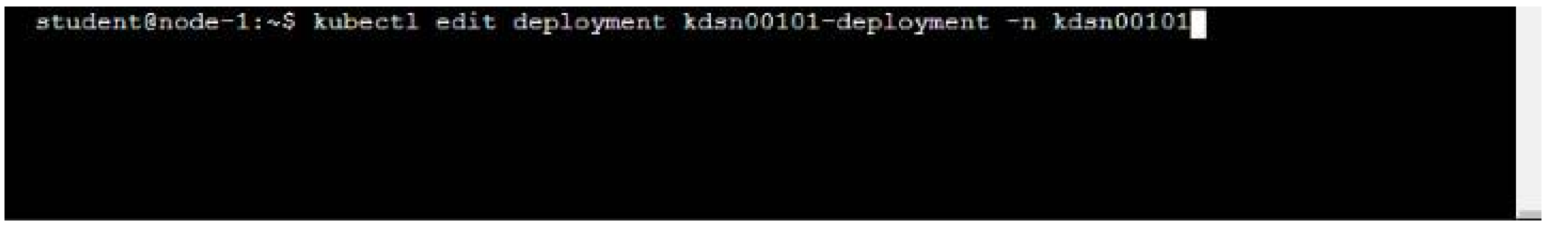
```
[student@node-1] $ | kubectl config
use-context k8s
```

Context
You have been tasked with scaling an existing deployment for availability, and creating a service to expose the deployment within your infrastructure. Task
Start with the deployment named kdsn00101-deployment which has already been deployed to the namespace kdsn00101 . Edit it to:
• Add the func=webFrontEndkey/value label to the pod template metadata to identify the pod for the service definition
• Have 4 replicas
Next, create ana deploy in namespace kdsn00l01 a service that accomplishes the following:
• Exposes the service on TCP port 8080
• is mapped to me pods defined by the specification of kdsn00l01-deployment
• Is of type NodePort
• Has a name of cherry

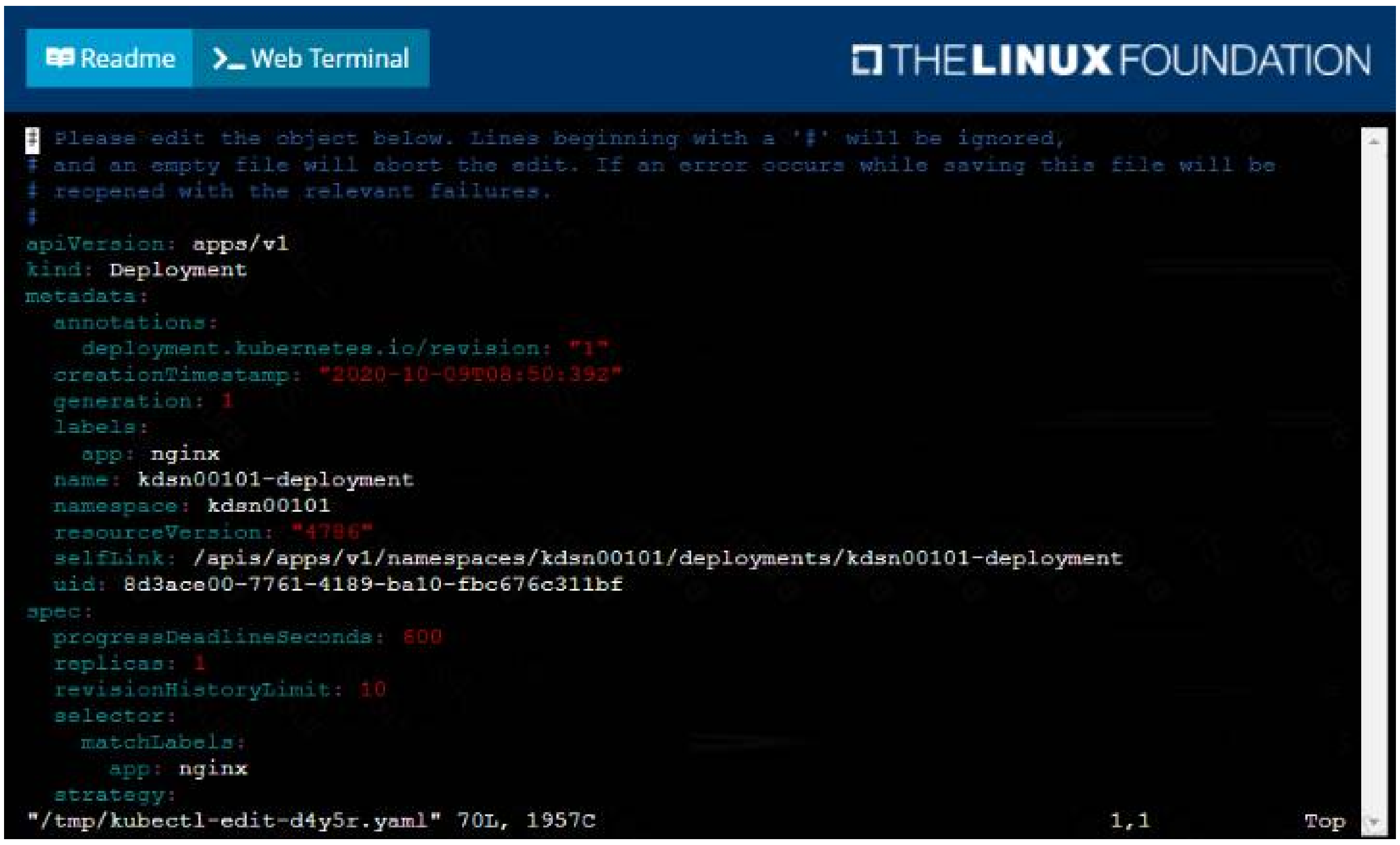
A. Mastered
B. Not Mastered

Answer: A

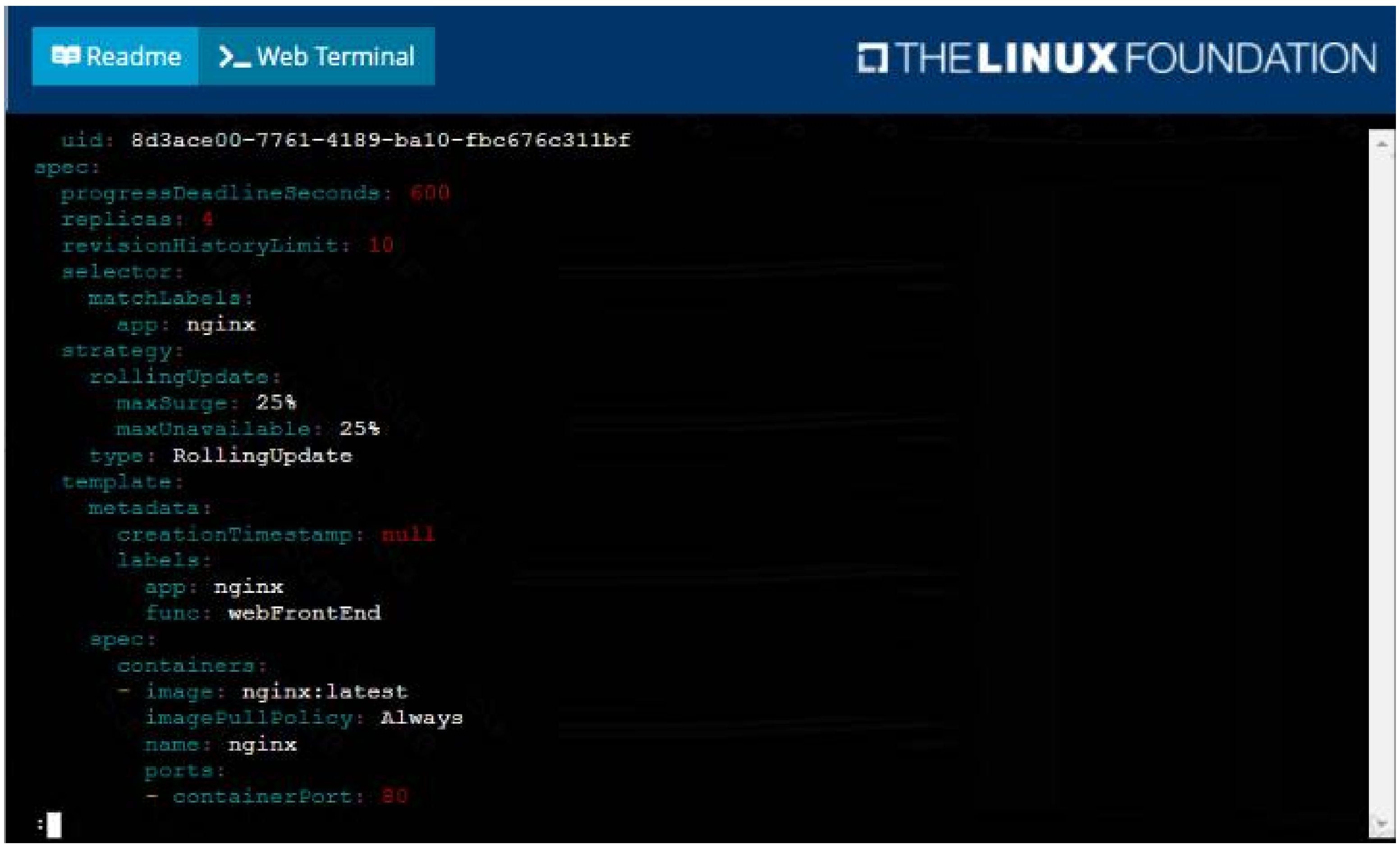
Explanation:
Solution:



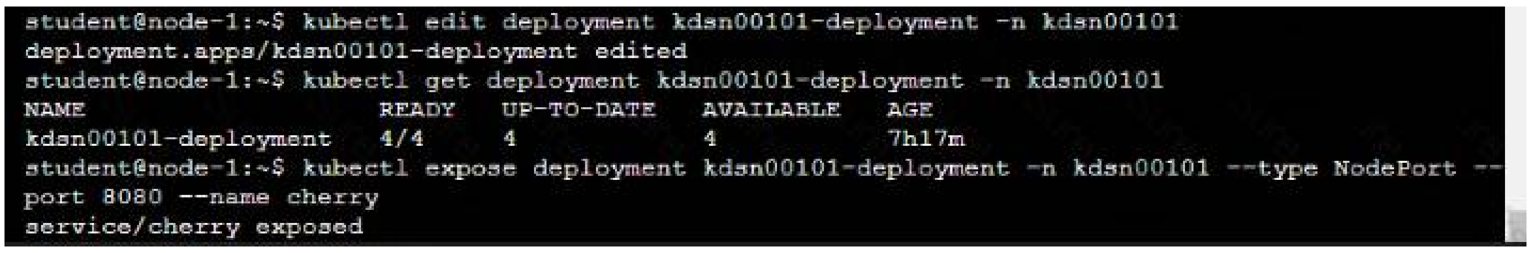
```
student@node-1:~$ kubectl edit deployment kdsn00101-deployment -n kdsn00101
```



```
# Please edit the object below. Lines beginning with a '#' will be ignored,
# and an empty file will abort the edit. If an error occurs while saving this file will be
# reopened with the relevant failures.
#
apiVersion: apps/v1
kind: Deployment
metadata:
  annotations:
    deployment.kubernetes.io/revision: "1"
  creationTimestamp: "2020-10-09T08:50:39Z"
  generation: 1
  labels:
    app: nginx
  name: kdsn00101-deployment
  namespace: kdsn00101
  resourceVersion: "4786"
  selfLink: /apis/apps/v1/namespaces/kdsn00101/deployments/kdsn00101-deployment
  uid: 8d3ace00-7761-4189-ba10-fbc676c311bf
spec:
  progressDeadlineSeconds: 600
  replicas: 1
  revisionHistoryLimit: 10
  selector:
    matchLabels:
      app: nginx
  strategy:
"/tmp/kubectl-edit-d4y5r.yaml" 70L, 1957C                                   1,1           Top
```



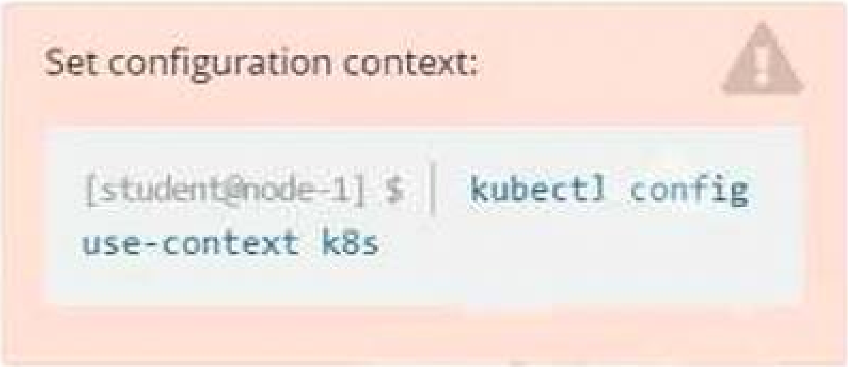
```
  uid: 8d3ace00-7761-4189-ba10-fbc676c311bf
spec:
  progressDeadlineSeconds: 600
  replicas: 4
  revisionHistoryLimit: 10
  selector:
    matchLabels:
      app: nginx
  strategy:
    rollingUpdate:
      maxSurge: 25%
      maxUnavailable: 25%
    type: RollingUpdate
  template:
    metadata:
      creationTimestamp: null
      labels:
        app: nginx
        func: webFrontEnd
    spec:
      containers:
      - image: nginx:latest
        imagePullPolicy: Always
        name: nginx
        ports:
        - containerPort: 80
:
```



```
student@node-1:~$ kubectl edit deployment kdsn00101-deployment -n kdsn00101
deployment.apps/kdsn00101-deployment edited
student@node-1:~$ kubectl get deployment kdsn00101-deployment -n kdsn00101
NAME                   READY   UP-TO-DATE   AVAILABLE   AGE
kdsn00101-deployment   4/4     4            4           7h17m
student@node-1:~$ kubectl expose deployment kdsn00101-deployment -n kdsn00101 --type NodePort --
port 8080 --name cherry
service/cherry exposed
```

NEW QUESTION 9

Exhibit:



Set configuration context:

```
[student@node-1] $ | kubectl config
use-context k8s
```

Context

You are tasked to create a ConfigMap and consume the ConfigMap in a pod using a volume mount. Task

Please complete the following:

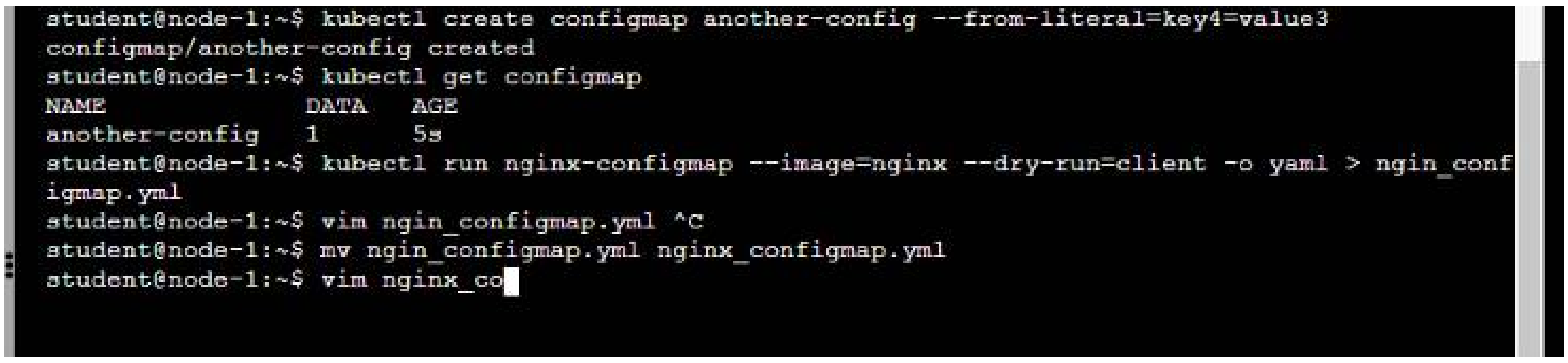
- Create a ConfigMap namedanother-config containing the key/value pair: key4/value3
- starta pod named nginx-configmap containing a single container using the

nginx image, and mount the key you just created into the pod under directory /also/a/path

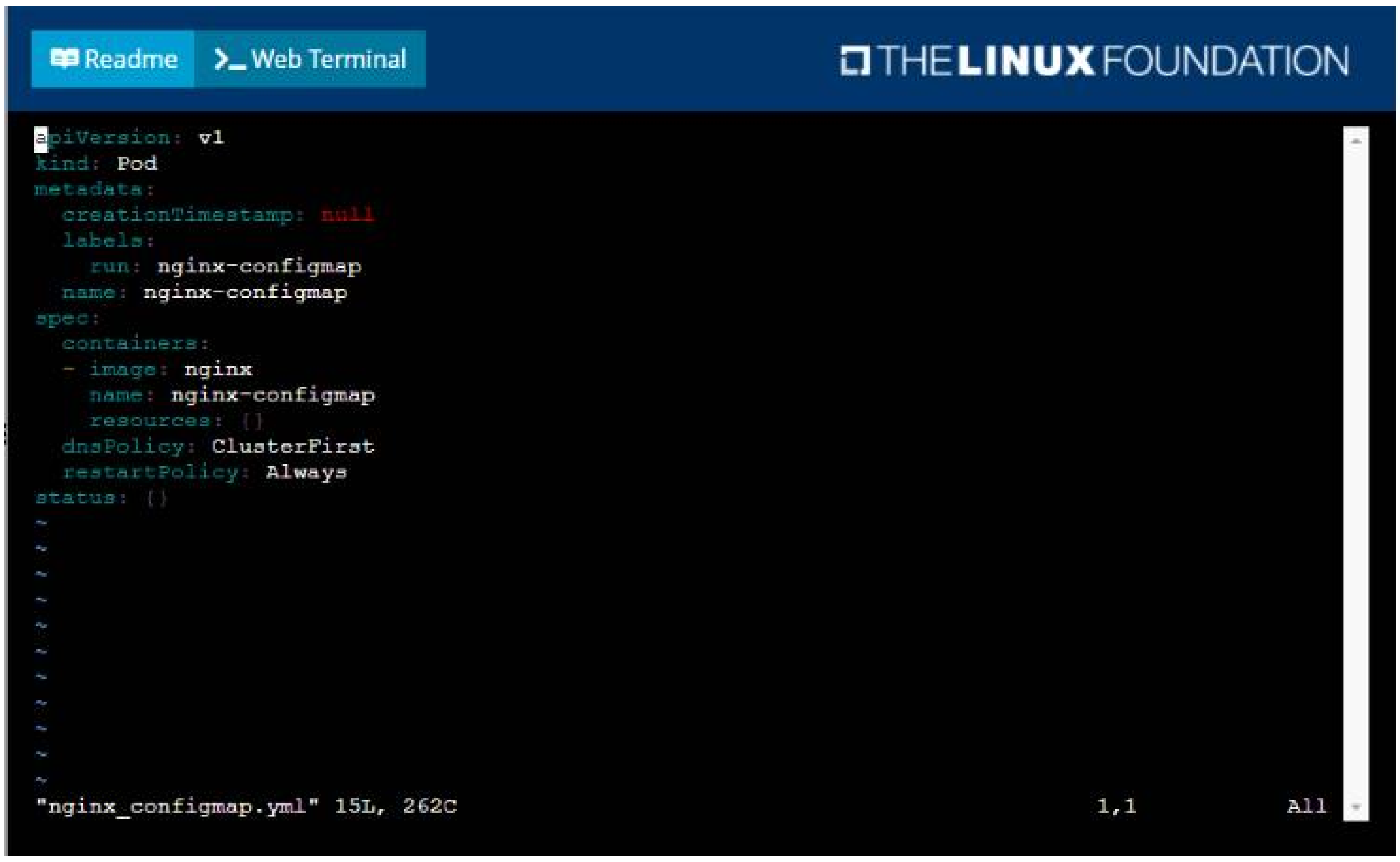
A. Mastered
B. Not Mastered

Answer: A

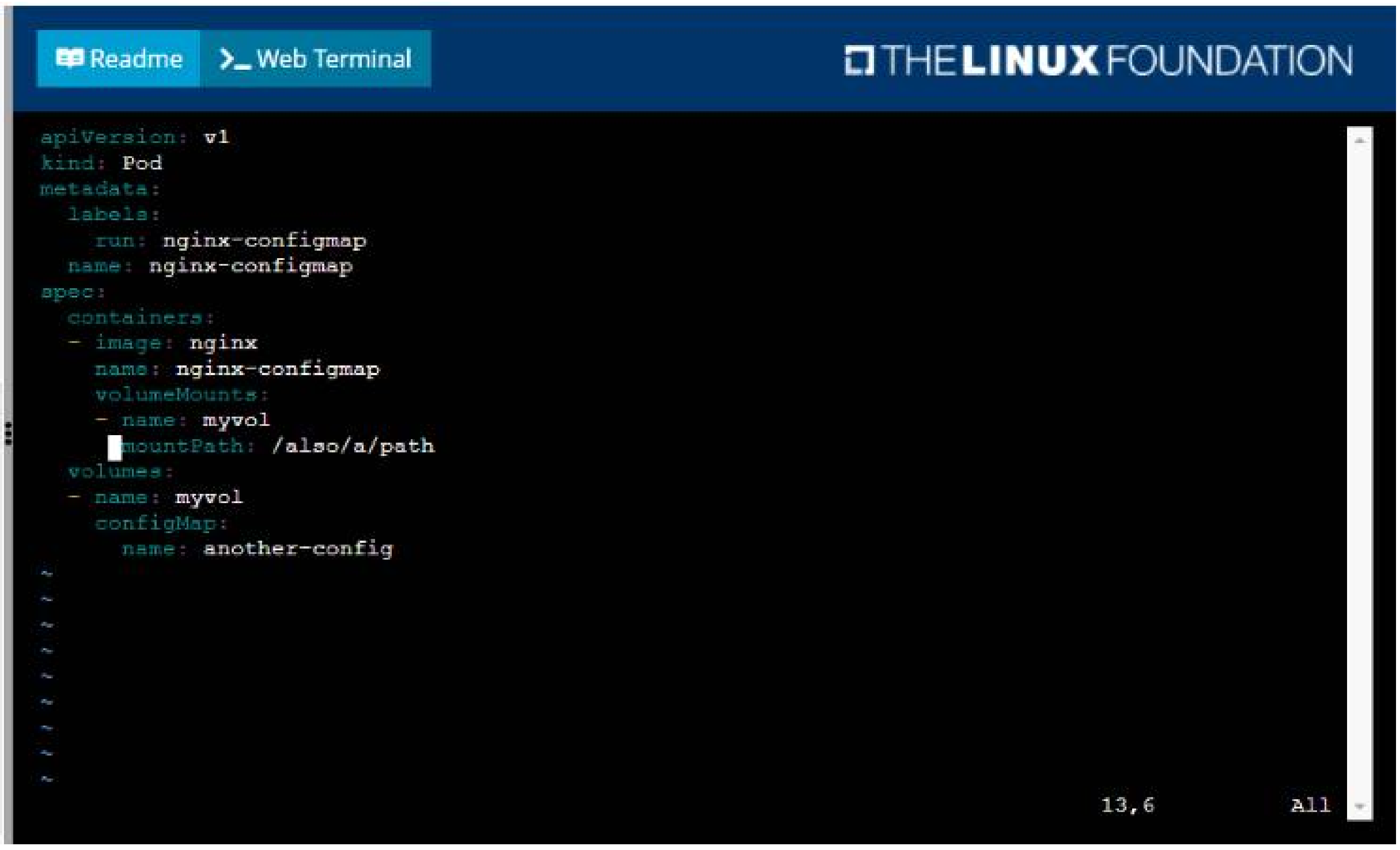
Explanation:
Solution:



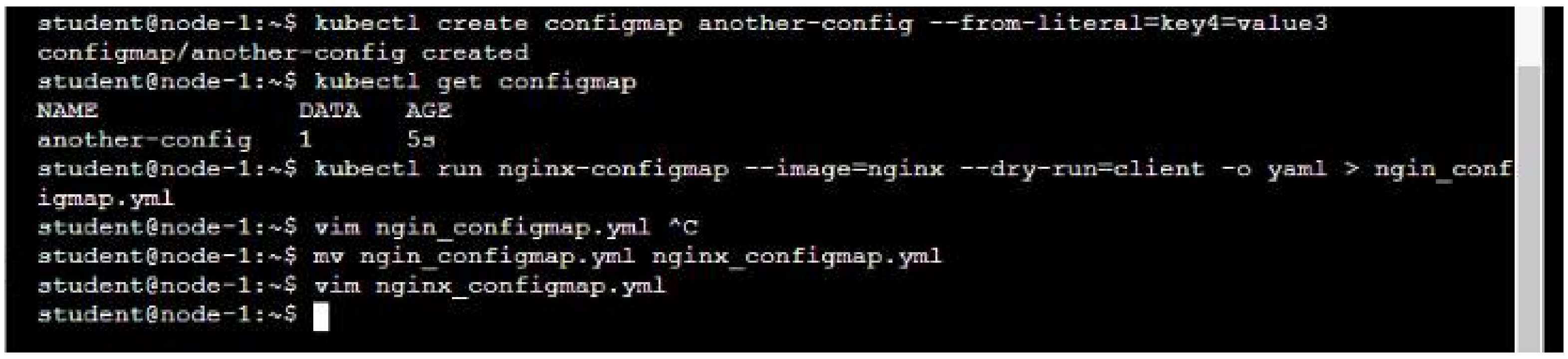
```
student@node-1:~$ kubectl create configmap another-config --from-literal=key4=value3
configmap/another-config created
student@node-1:~$ kubectl get configmap
NAME             DATA   AGE
another-config   1      5s
student@node-1:~$ kubectl run nginx-configmap --image=nginx --dry-run=client -o yaml > ngin_conf
igmap.yml
student@node-1:~$ vim ngin_configmap.yml ^C
student@node-1:~$ mv ngin_configmap.yml nginx_configmap.yml
student@node-1:~$ vim nginx_co
```



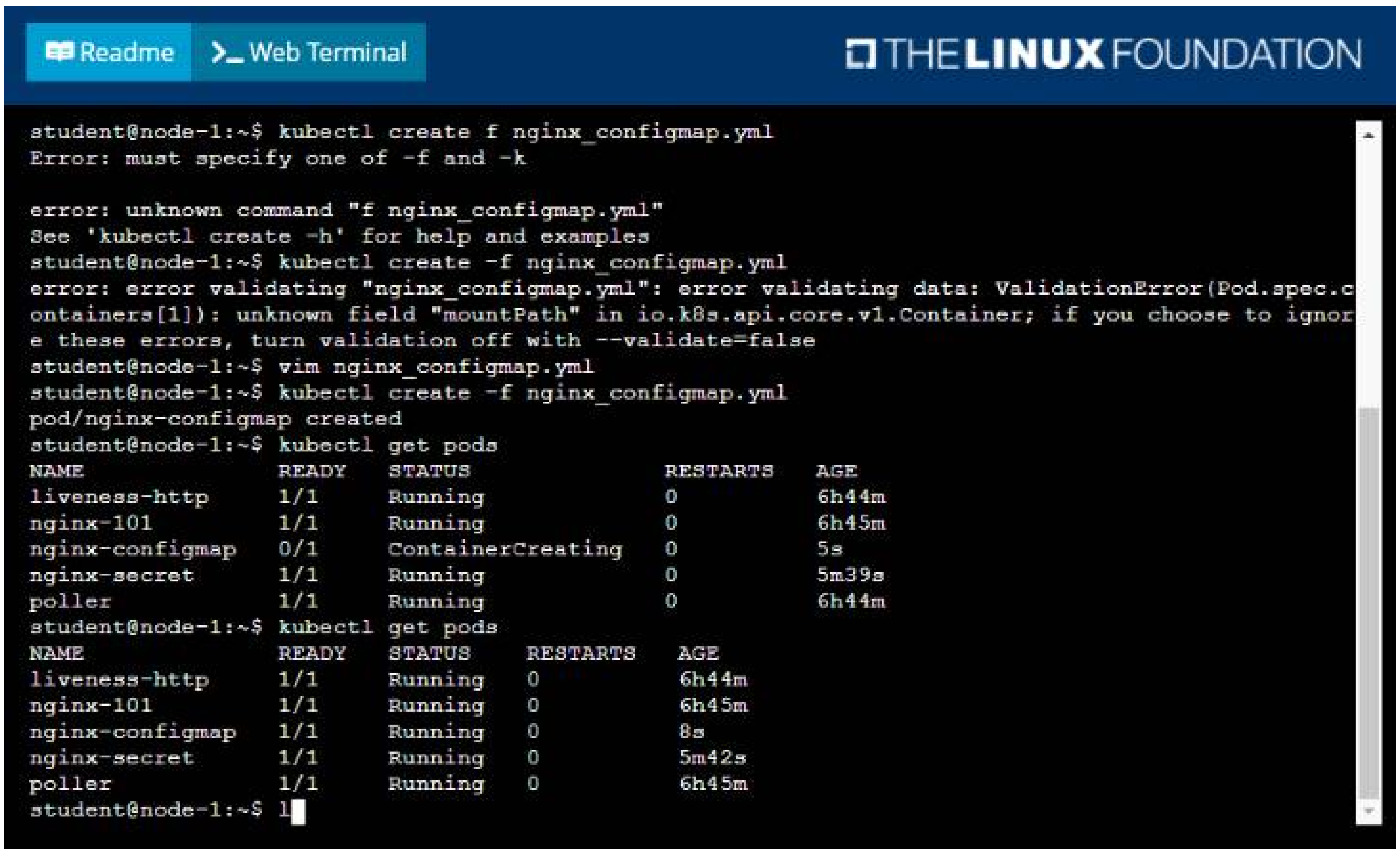
```
apiVersion: v1
kind: Pod
metadata:
  creationTimestamp: null
  labels:
    run: nginx-configmap
  name: nginx-configmap
spec:
  containers:
  - image: nginx
    name: nginx-configmap
    resources: {}
  dnsPolicy: ClusterFirst
  restartPolicy: Always
status: {}
~
~
~
~
~
~
~
~
~
~
~
"nginx_configmap.yml" 15L, 262C                                          1,1           All
```



```
apiVersion: v1
kind: Pod
metadata:
  labels:
    run: nginx-configmap
  name: nginx-configmap
spec:
  containers:
  - image: nginx
    name: nginx-configmap
    volumeMounts:
    - name: myvol
     mountPath: /also/a/path
  volumes:
  - name: myvol
    configMap:
      name: another-config
~
~
~
~
~
~
~
~
~
                                                                         13,6          All
```



```
student@node-1:~$ kubectl create configmap another-config --from-literal=key4=value3
configmap/another-config created
student@node-1:~$ kubectl get configmap
NAME             DATA   AGE
another-config   1      5s
student@node-1:~$ kubectl run nginx-configmap --image=nginx --dry-run=client -o yaml > ngin_conf
igmap.yml
student@node-1:~$ vim ngin_configmap.yml ^C
student@node-1:~$ mv ngin_configmap.yml nginx_configmap.yml
student@node-1:~$ vim nginx_configmap.yml
student@node-1:~$
```



```
student@node-1:~$ kubectl create f nginx_configmap.yml
Error: must specify one of -f and -k

error: unknown command "f nginx_configmap.yml"
See 'kubectl create -h' for help and examples
student@node-1:~$ kubectl create -f nginx_configmap.yml
error: error validating "nginx_configmap.yml": error validating data: ValidationError(Pod.spec.c
ontainers[1]): unknown field "mountPath" in io.k8s.api.core.v1.Container; if you choose to ignor
e these errors, turn validation off with --validate=false
student@node-1:~$ vim nginx_configmap.yml
student@node-1:~$ kubectl create -f nginx_configmap.yml
pod/nginx-configmap created
student@node-1:~$ kubectl get pods
NAME              READY   STATUS              RESTARTS   AGE
liveness-http     1/1     Running             0          6h44m
nginx-101         1/1     Running             0          6h45m
nginx-configmap   0/1     ContainerCreating   0          5s
nginx-secret      1/1     Running             0          5m39s
poller            1/1     Running             0          6h44m
student@node-1:~$ kubectl get pods
NAME              READY   STATUS    RESTARTS   AGE
liveness-http     1/1     Running   0          6h44m
nginx-101         1/1     Running   0          6h45m
nginx-configmap   1/1     Running   0          8s
nginx-secret      1/1     Running   0          5m42s
poller            1/1     Running   0          6h45m
student@node-1:~$ l
```

NEW QUESTION 10

......