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QUESTION 1

Print pod name and start time to "/opt/pod-status" file

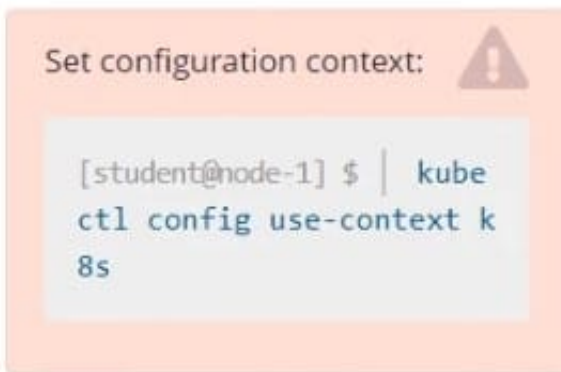
Correct Answer: Check the answer in explanation.

Solution

```
kubectl get pods -o=jsonpath=\{\range .items[*]}.{metadata.name}\{"\t"\}{.status.podIP}\{"\n"}\{end}\{\}
```

QUESTION 2

CORRECT TEXT



Task

Schedule a pod as follows:

1.

Name: nginx-kusc00401

2.

Image: nginx

3.

Node selector: disk=ssd

Correct Answer: Check the answer in explanation.

Solution:

```
#yaml apiVersion: v1 kind: Pod metadata: name: nginx-kusc00401 spec: containers:
```

```
-name: nginx image: nginx imagePullPolicy: IfNotPresent nodeSelector: disk: spinning # kubectl create -f node-select.yaml
```



QUESTION 3

SIMULATION

Schedule a pod as follows:

1.

Name: nginx-kusc00101

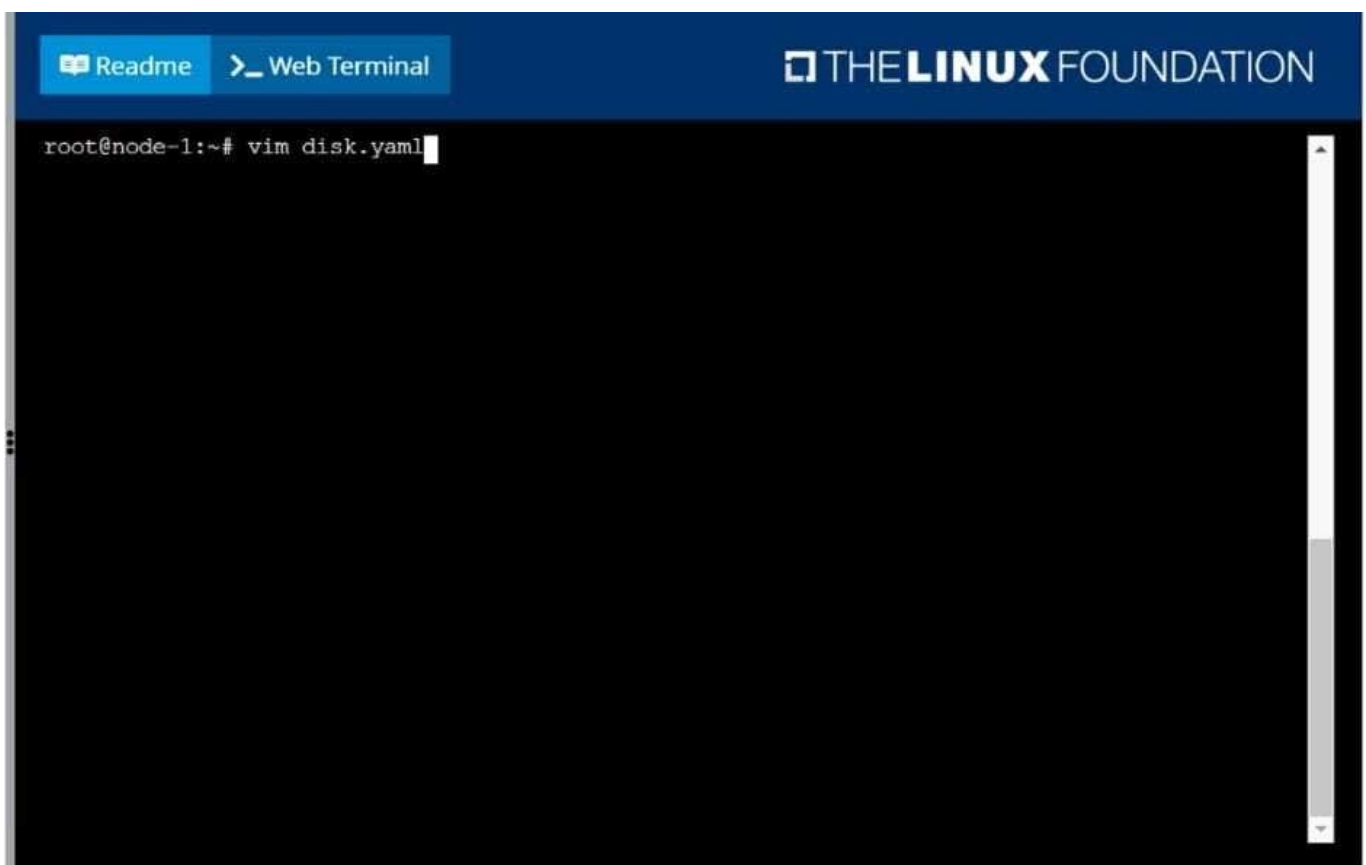
2.

Image: nginx

3.

Node selector: disk=ssd

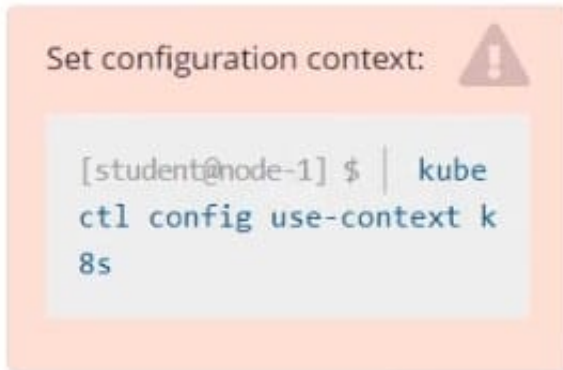
Correct Answer: Check the answer in explanation.





QUESTION 4

CORRECT TEXT



Task Monitor the logs of pod bar and: Extract log lines corresponding to error file-not-found

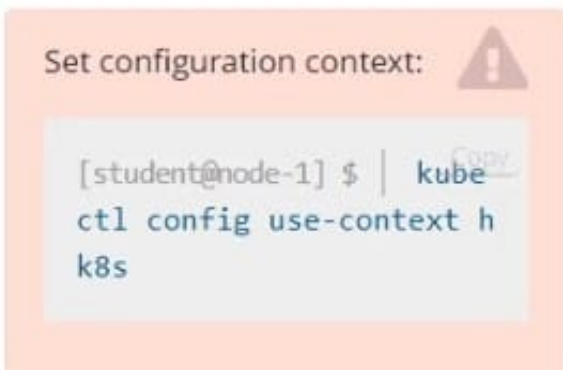
Write them to /opt/KUTR00101/bar

Correct Answer: Check the answer in explanation.

```
kubectl logs bar | grep '\unable-to-access-website\' > /opt/KUTR00101/bar cat /opt/KUTR00101/bar
```

QUESTION 5

CORRECT TEXT



Task

Create a new NetworkPolicy named allow-port-from-namespace in the existing namespace echo. Ensure that the new NetworkPolicy allows Pods in namespace my-app to connect to port 9000 of Pods in namespace echo.

Further ensure that the new NetworkPolicy:

1.

does not allow access to Pods, which don't listen on port 9000



2.

does not allow access from Pods, which are not in namespace my-app

Correct Answer: Check the answer in explanation.

```
#network.yaml apiVersion: networking.k8s.io/v1 kind: NetworkPolicy metadata:
```

```
name: allow-port-from-namespace
```

```
namespace: internal
```

```
spec:
```

```
podSelector:
```

```
matchLabels: {
```

```
}
```

```
policyTypes:
```

```
-Ingress ingress:
```

```
-from:
```

```
-podSelector: {
```

```
} ports:
```

```
-protocol: TCP port: 8080 #spec.podSelector namespace pod kubectl create -f network.yaml
```

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