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Question: 1

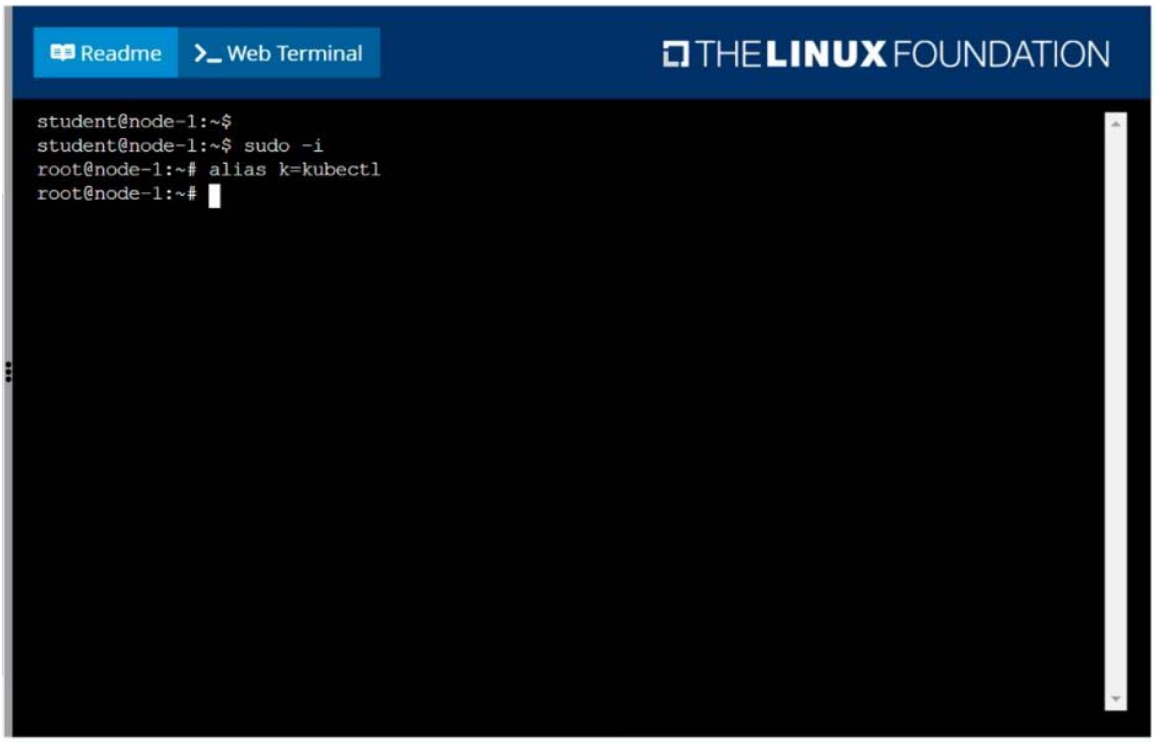
SIMULATION
Monitor the logs of pod foo and:
Extract log lines corresponding to error
unable-to-access-website
Write them to/opt/KULM00201/foo

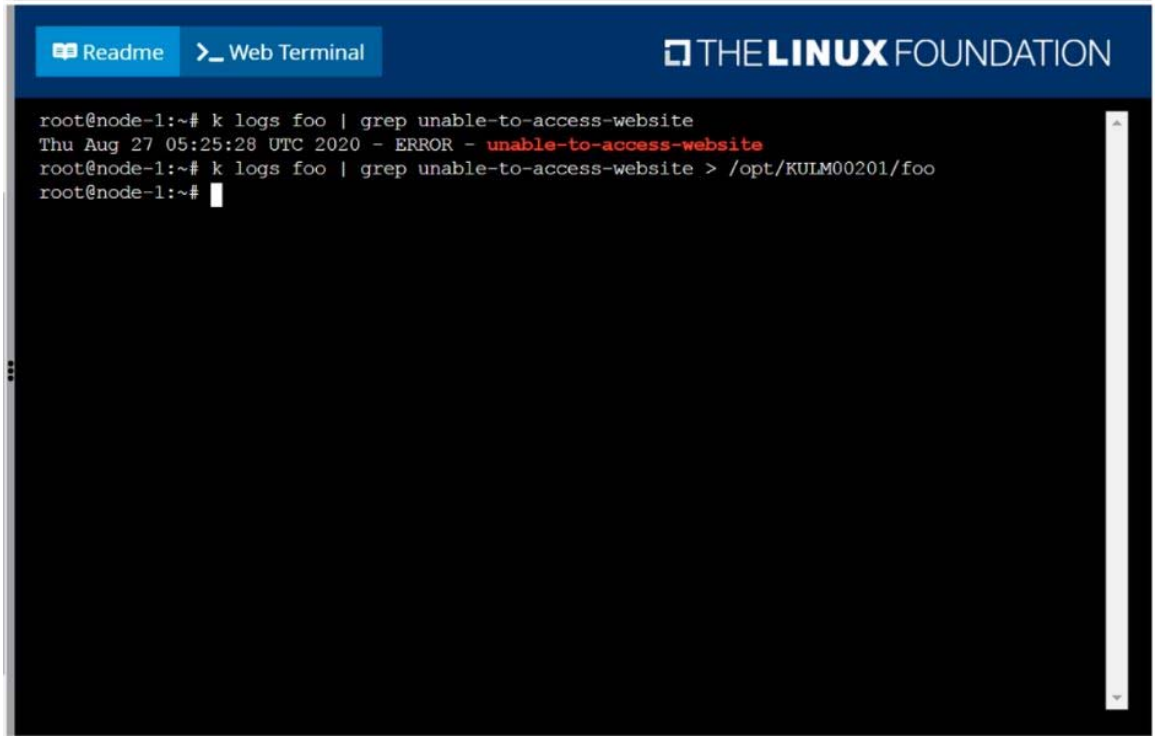


A. See the solution below

Answer: A

solution





Step 0: Set the correct Kubernetes context
If you're given a specific context (k8s in this case), you must switch to it:
kubectl config use-context k8s
□□ Skipping this can cause you to work in the wrong cluster/namespace and cost you marks.
Step 1: Identify the namespace of the pod foo
First, check if foo is running in a specific namespace or in the default namespace.
kubectl get pods --all-namespaces | grep foo

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Assume the pod is in the default namespace if no namespace is mentioned.
Step 2: Confirm pod foo exists and is running
kubectl get pod foo
You should get output similar to:
NAME READY STATUS RESTARTS AGE
foo 1/1 Running 0 1h
If the pod is not running, logs may not be available.
Step 3: View logs and filter specific error lines
We're looking for log lines that contain:
unable-to-access-website
Command:
kubectl logs foo | grep "unable-to-access-website"
Step 4: Write the filtered log lines to a file
Redirect the output to the required path:
kubectl logs foo | grep "unable-to-access-website" > /opt/KULM00201/foo
 This creates or overwrites the file /opt/KULM00201/foo with the filtered logs.
 You may need sudo if /opt requires elevated permissions. But in most exam environments, you're already the root or privileged user.
Step 5: Verify the output file (optional but smart)
Check that the file was created and has the correct content:
cat /opt/KULM00201/foo
 Final Answer Summary:
kubectl config use-context k8s
kubectl logs foo | grep "unable-to-access-website" > /opt/KULM00201/foo

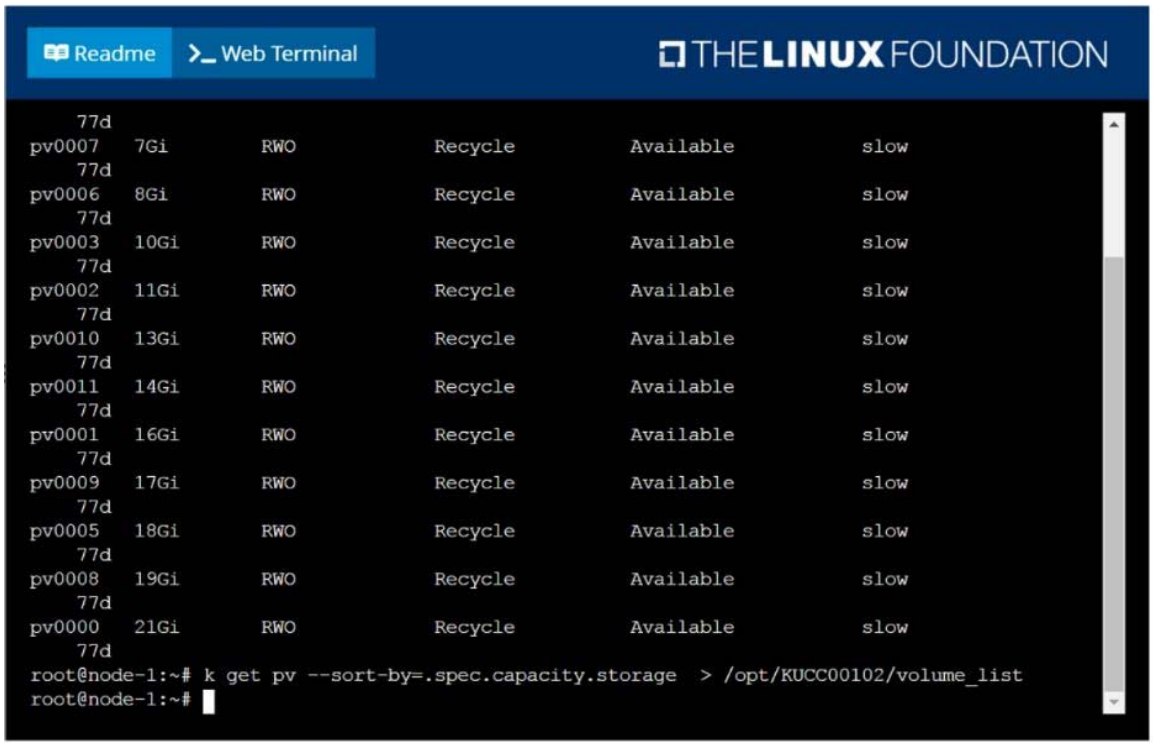
Question: 2

SIMULATION
List all persistent volumes sorted by capacity, saving the full kubectl output to /opt/KUCC00102/volume_list. Use kubectl 's own functionality for sorting the output, and do not manipulate it any further.

A. See the solution below

Answer: A

solution



Question: 3

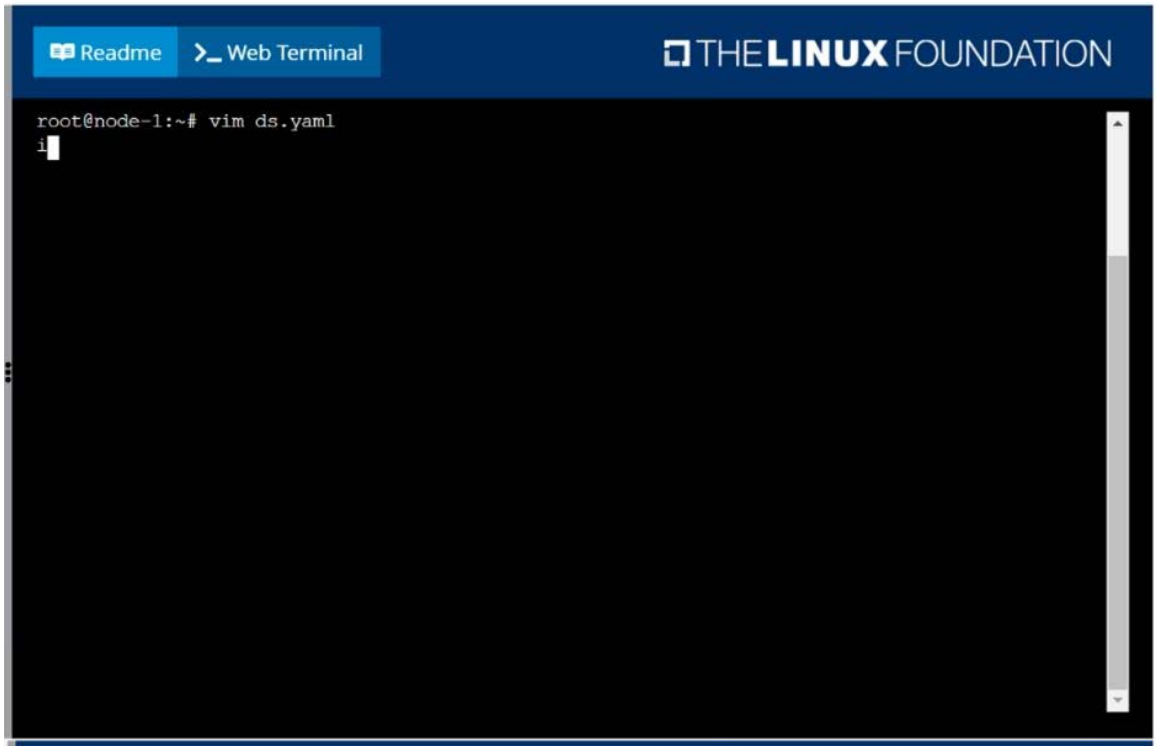
SIMULATION
Ensure a single instance of pod nginx is running on each node of the Kubernetes cluster where nginx also represents the Image name which has to be used. Do not override any taints currently in place.
Use DaemonSet to complete this task and use ds-kusc00201 as DaemonSet name.

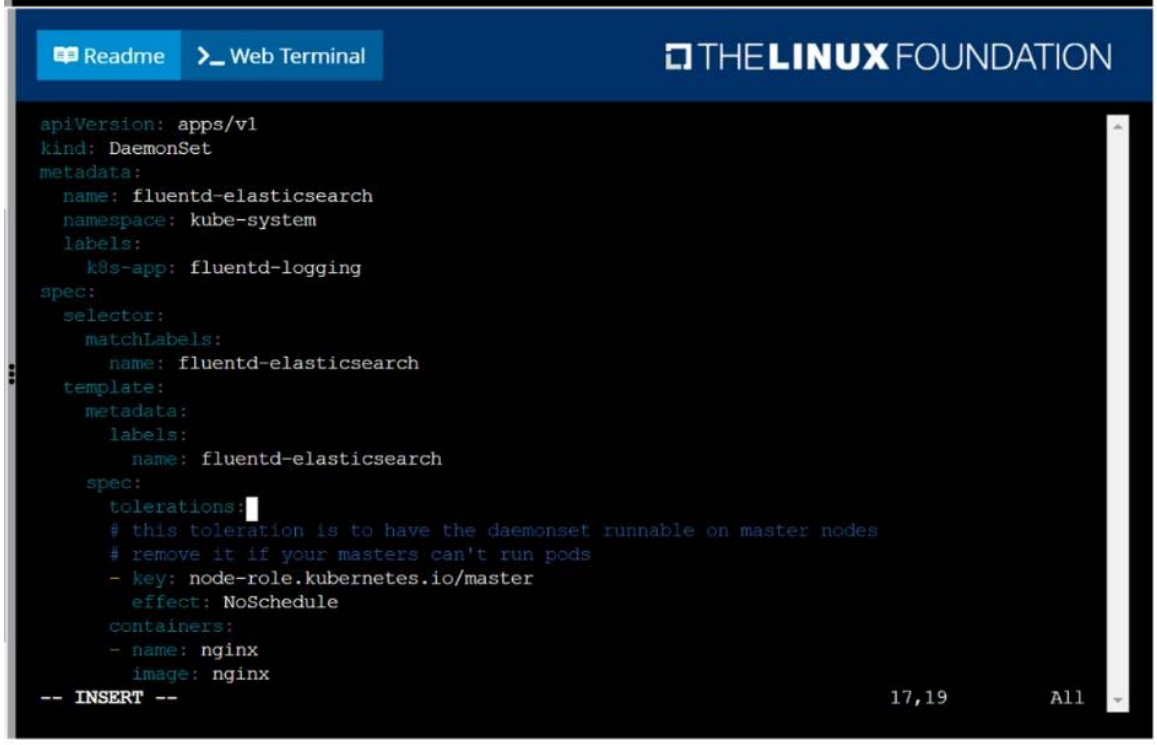
A. See the solution below

Answer: A

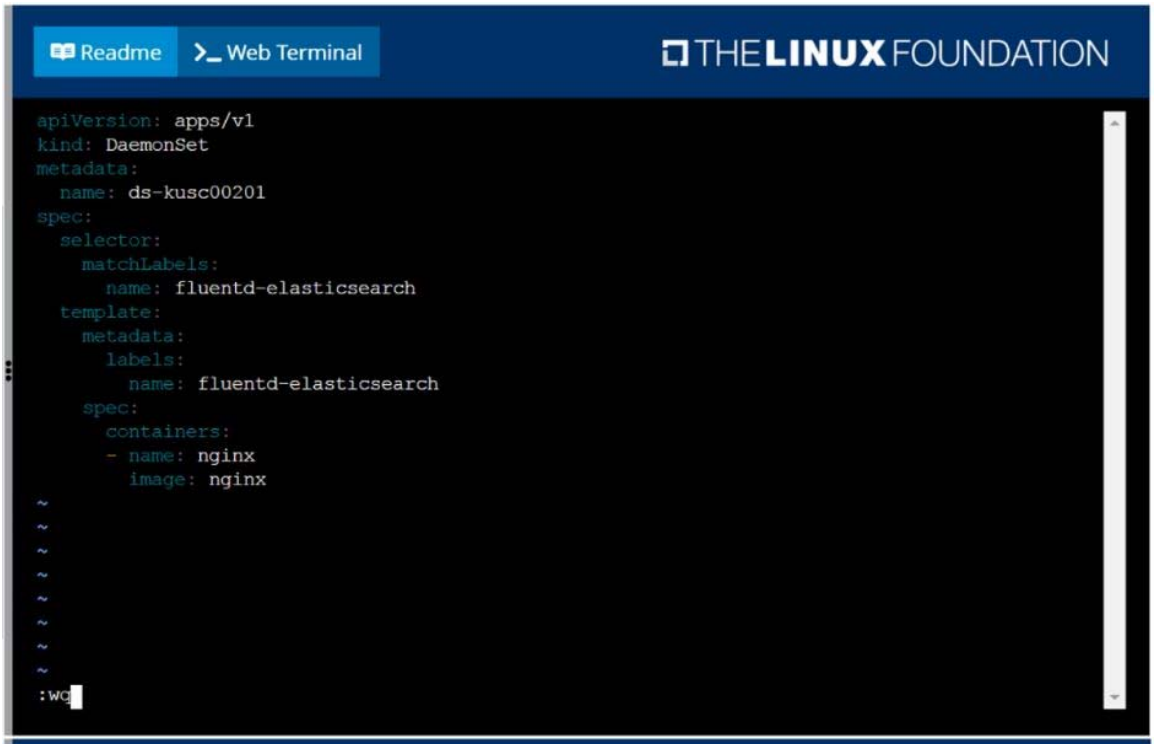
solution

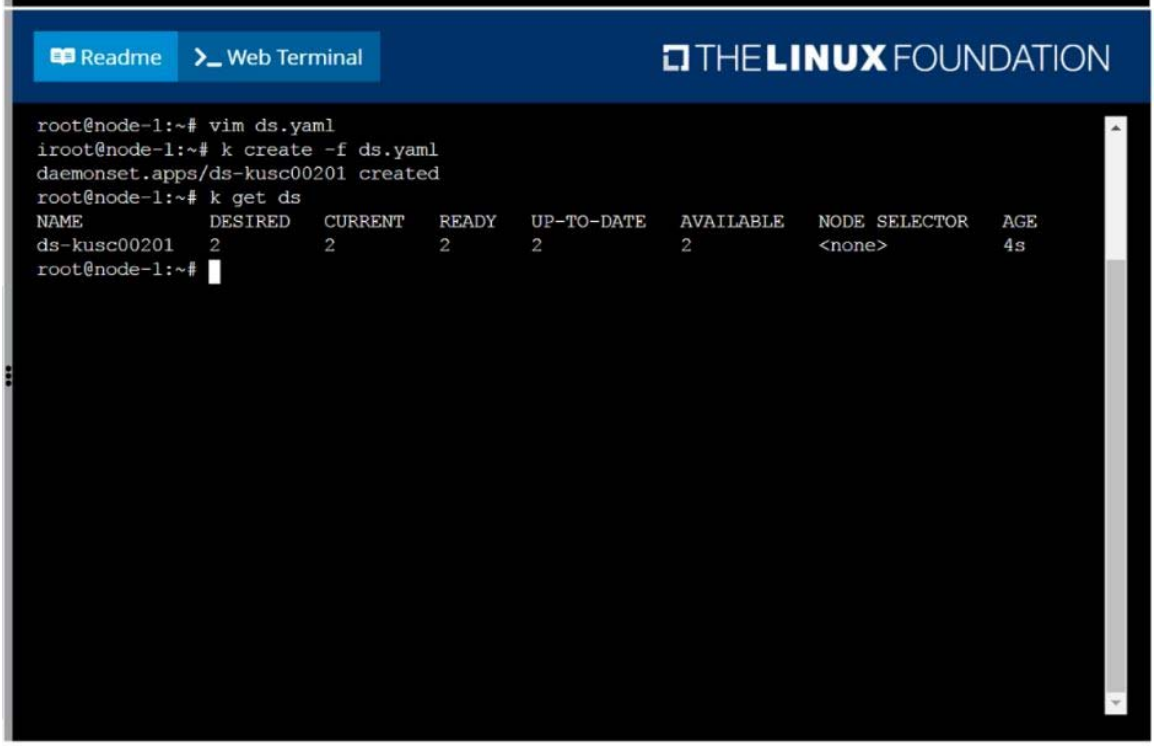
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Question: 4

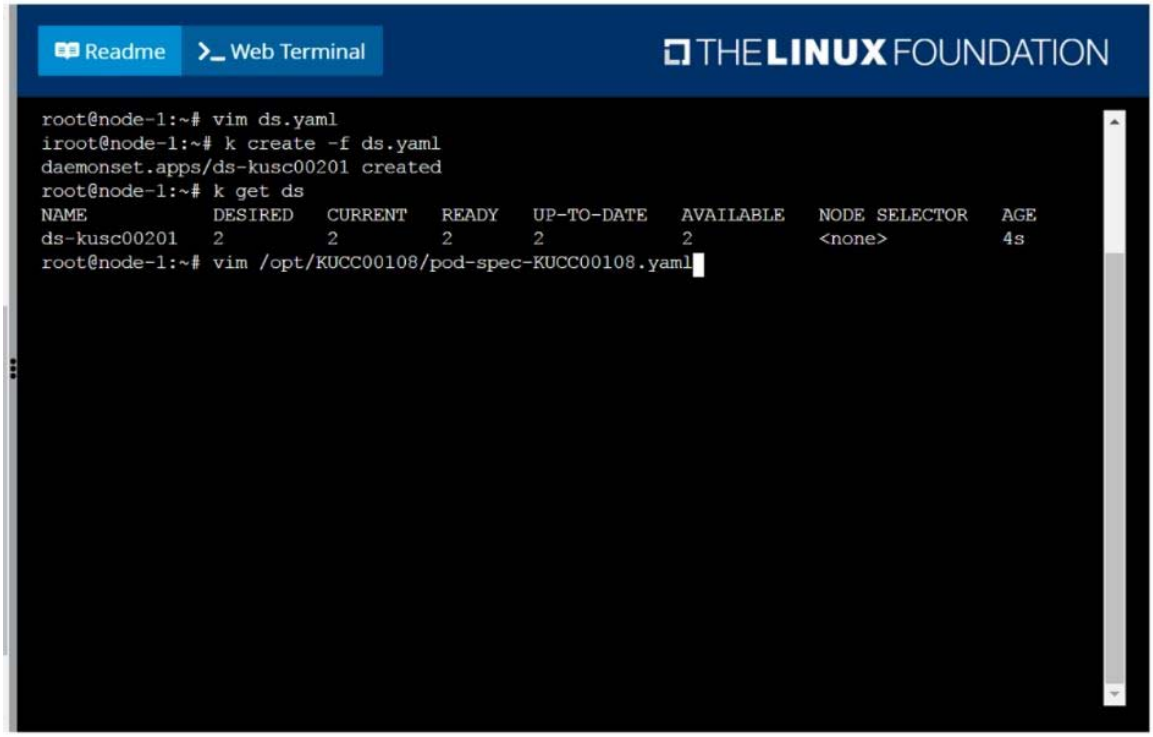
SIMULATION

Perform the following tasks:
Add an init container to hungry-bear (which has been defined in spec file /opt/KUCC00108/pod-spec-KUCC00108.yaml)
The init container should create an empty file named/workdir/calm.txt
If /workdir/calm.txt is not detected, the pod should exit
Once the spec file has been updated with the init container definition, the pod should be created

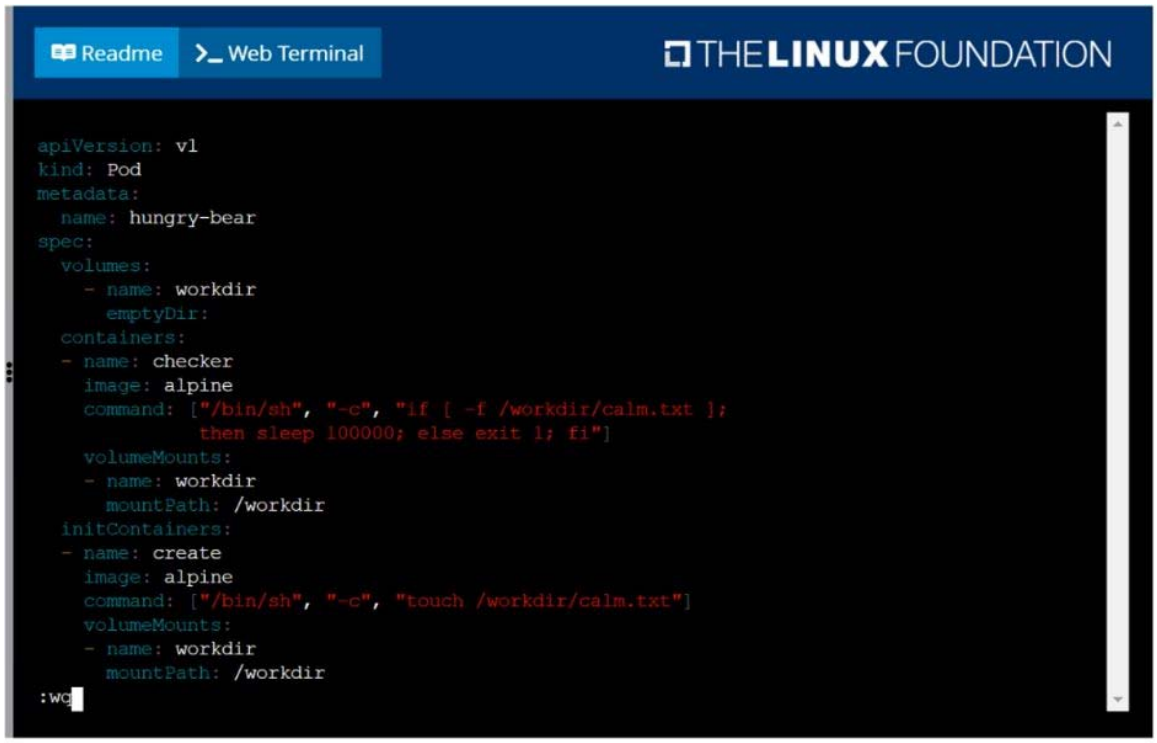
A. See the solution below

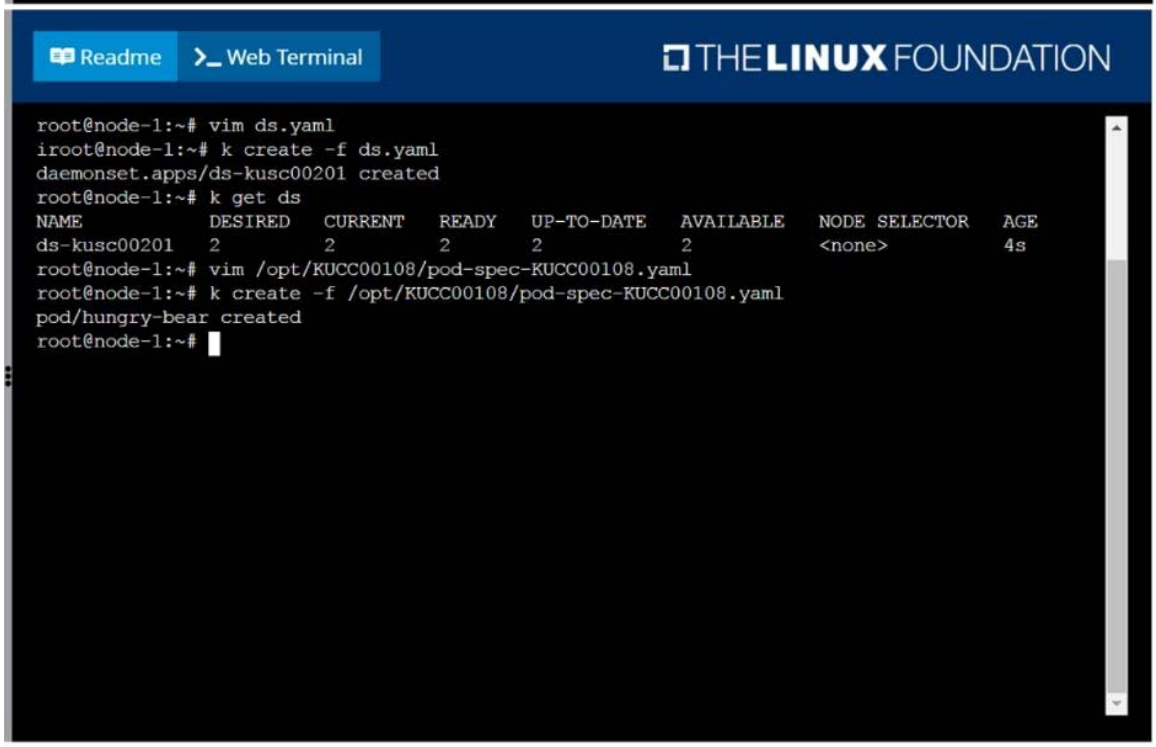
Answer: A

solution



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Question: 5

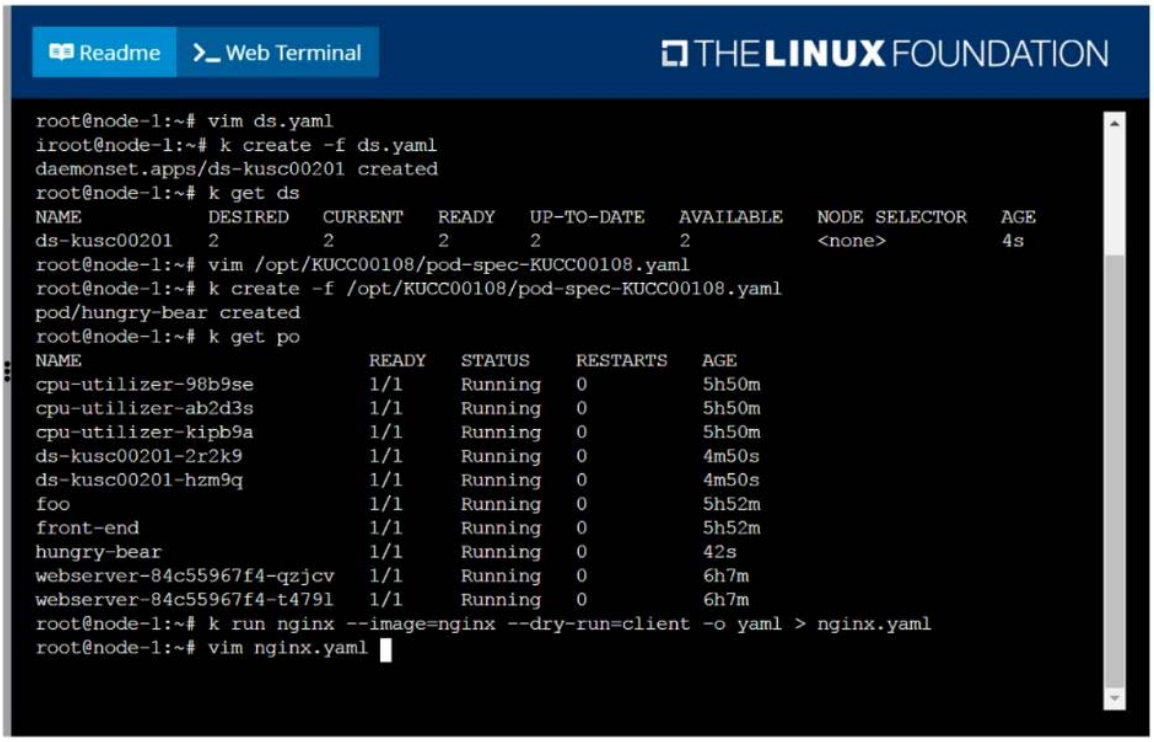
SIMULATION

Create a pod named kucc8 with a single app container for each of the following images running inside (there may be between 1 and 4 images specified): nginx + redis + memcached.

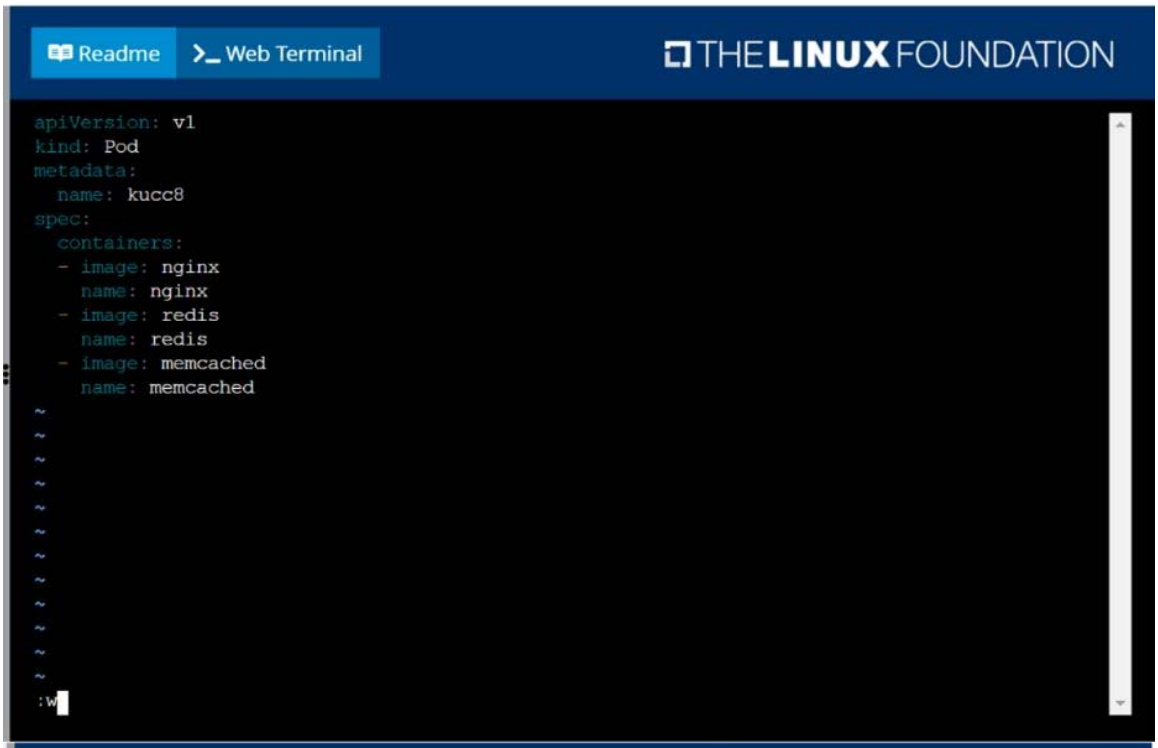
A. See the solution below

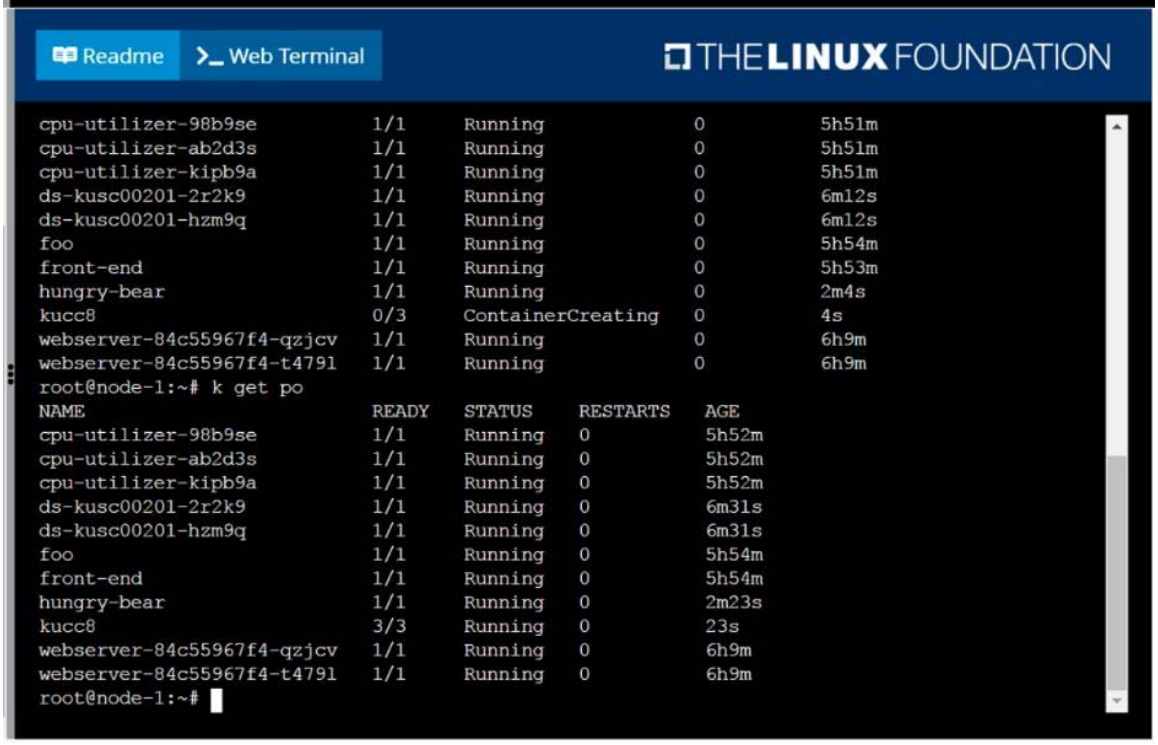
Answer: A

solution



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