



# CKA<sup>Q&As</sup>

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## QUESTION 1

### SIMULATION

Scale the deployment webserver to 6 pods.

Correct Answer: Check the answer in explanation.

Solution

```
root@node-1:~# k scale deploy webserver --replicas=6
deployment.apps/webserver scaled
root@node-1:~# k get deploy
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
nginx-app     3/3     3            3           29m
webserver     6/6     6            6           6h50m
root@node-1:~#
```

## QUESTION 2

List all the pods sorted by name

Correct Answer: Check the answer in explanation.

```
kubectl get pods --sort-by=.metadata.name
```

## QUESTION 3

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.



Correct Answer: Check the answer in explanation.

Solution

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
```

---

#### QUESTION 4

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

Correct Answer: Check the answer in explanation.

Solution


```
// 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
```

---

#### QUESTION 5

CORRECT TEXT



Set configuration context: 

```
[student@node-1] $ | kube  
ctl config use-context k  
8s
```

### Task

Create a new nginx Ingress resource as follows:

1.


Name: ping

2.

Namespace: ing-internal

3.

Exposing service hi on path /hi using service port 5678

The availability of service hi   
can be checked using the  
following command, which  
should return hi :

```
[student@node-1] $ | curl  
-kL <INTERNAL_IP>/hi
```

Correct Answer:

```
vi ingress.yaml # apiVersion: networking.k8s.io/v1 kind: Ingress metadata: name: ping namespace: ing-internal spec:  
rules:
```

```
-http: paths:
```

```
-path: /hi pathType: Prefix backend: service: name: hi port: number: 5678 # kubectl create -f ingress.yaml
```



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