1- How many `pods` exist on the system?
kubectl get pods

2- How many `Nodes` exist on the system?
kubectl get nodes

3- Create a new pod with the `nginx` image.
Kubectl run nginx –image=nginx

4- Which nodes are these pods placed on?
kubectl get pods -o wide

5- Create pod from the below yaml using kubectl apply command

```
apiVersion: v1
kind: Pod
metadata:
  name: webapp
  namespace: default
spec:
  containers:
  - image: nginx
    imagePullPolicy: Always
    name: nginx
  - image: agentx
    imagePullPolicy: Always
    name: agentx
```

Answer :
Kubectl apply -f app1.yaml

```
controlplane:~$ vim app1.yaml
controlplane:~$ kubectl apply -f app1.yaml
pod/webapp created
controlplane:~$
```

6- How many containers are part of the pod webapp

There are 2 containers (nginx and agentx).

7- What images are used in the new `webapp` pod?

nginx and agentx

8- What is the state of the container `agentx` in the pod `webapp`
kubectl describe pod webapp

9- Why do you think the container `agentx` in pod `webapp` is in error?

image doesn't exist in Docker Hub

10- Delete the `webapp` Pod.
Kubectl delete pod webapp

11- Create a new pod with the name `redis` and with the image `redis123`.

- Name: redis
- Image Name: redis123

Kubectl run redis –image=redis123

12- Now change the image on this pod to `redis`.
Once done, the pod should be in a `running` state.

kubectl delete pod redis
kubectl run redis --image=redis

13- Create a pod called `my-pod` of image `nginx:alpine`

Kubectl run my-pod –image=nginx:alpine

14- Delete the pod called `my-pod`
Kubectl delete pod my-pod