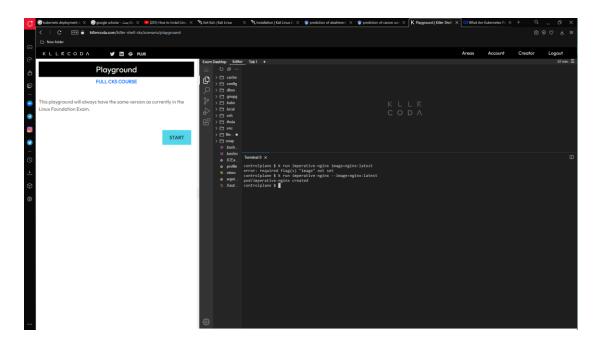
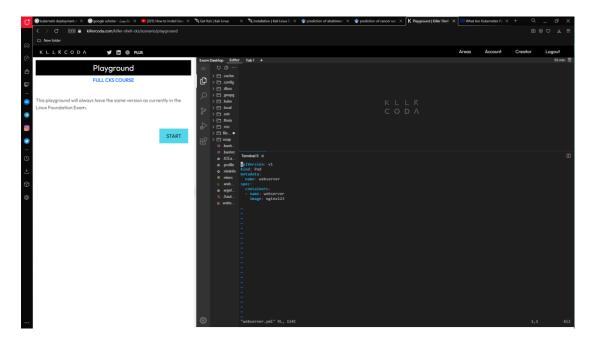
Lab 1 K8S:

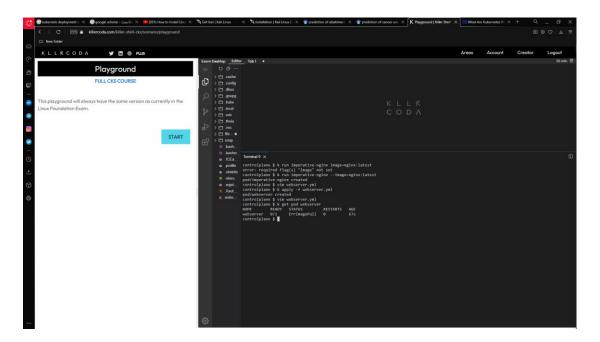
- Create a pod with the name "imperative-nginx" and with the image nginx and latest tag. using Imperative command (not yaml).



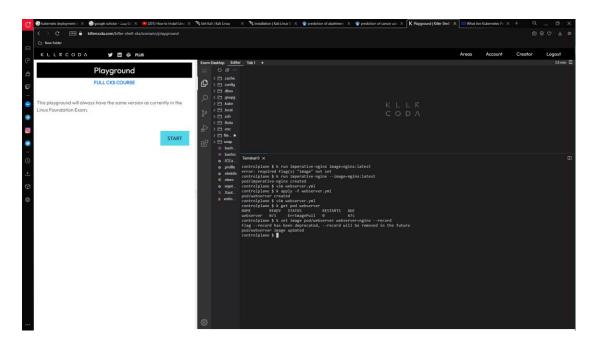
- Create a pod with the name webserver and with the image "nginx123"Use a pod-definition YAML file



- What is the nginx pod status?



- Change the nginx pod image to " nginx " check the status again



- How many pods are running in the system? Type the command to show this

Ans:

k get pods --all-namespaces

- What does READY column in the output of get pods command indicate?

Ans:

Ready column indicates how many containers in the pod are running and ready to serve requests

- Delete first pod named imperative-nginx you just created. Type the command to do this

- Which node is pod named webserver running on (list two commands to do this)

Ans:

```
1<sup>st</sup> command : k get pod webserver -o wide
2<sup>nd</sup> command : k describe pod webserver | grep -i node
```

- Get a shell to the running container i.e ssh into it (figure out the command)
- Run cat /etc/os-release inside the container
- Exit from the shell (/bin/bash) session

Ans:

```
controlplane $ a new 14 wherever - Abiothesh
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```

- Get logs of pod, what are logs and what they are used for?

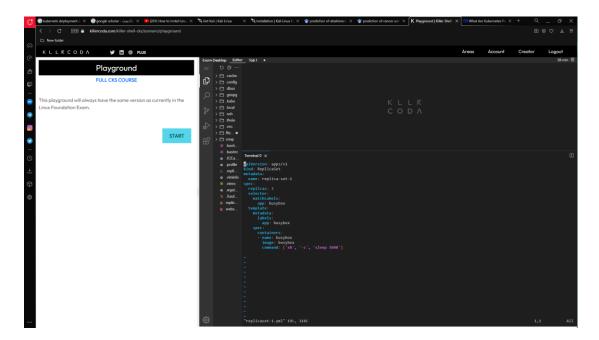
```
controllator 5 & logs watercer

(Accker-entrypolist.sh: /okcker-entrypolist.df is not empty, will attempt to perform configuration
//okcker-entrypolist.sh: /okcker-entrypolist.df is not empty, will attempt to perform configuration
//okcker-entrypolist.sh: /okcieg for shell scripts in /okcker-entrypolist.df /okcker.

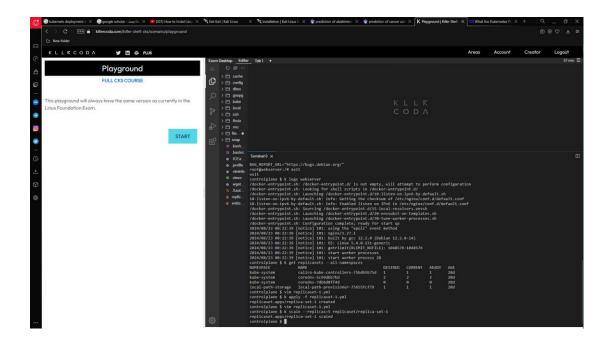
10 listen-en-laye-by-default.sh: force (small configuration)
//okcker-entrypolist.sh: /okcieg force /okcker-entrypolist.df /okcker-entrypolist.sh: /okcieg/okcker-entrypolist.sh: /okcieg/okcker-entrypolist.sh: /okcieg/okcer-entrypolist.sh: /okcker-entrypolist.sh: /
```

- How many ReplicaSets exist on the system?

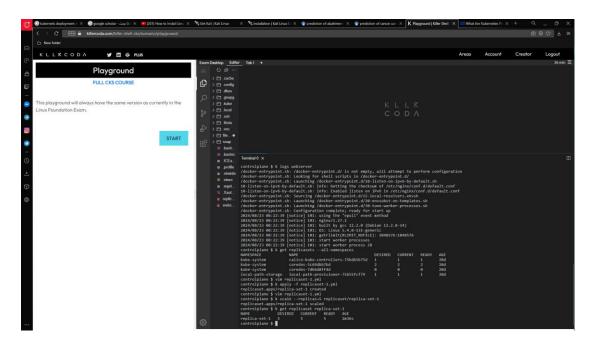
- create a ReplicaSet withname= replica-set-1 image= busybox replicas= 3



- Scale the ReplicaSet replica-set-1 to 5 PODs



- How many PODs are READY in the replica-set-1?



-Delete any one of the 5 PODs then check How many PODs exist now? Why are there still 5 PODs, even after you deleted one?

```
controlplane $ k get posh

ADM CONTROL STATUS MESTATUS ME
```

The reason why there is still 5 pods even after the deletion of one of them is replicaSet controller automatically creates a new pod to maintain the desired state of 5 replicas .