Pre requisite: Install k8s cluster (minikube) + kubectl

Notes: minikube can be deployed as a VM, a container

Start it using minikube start --driver=docker OR minikube start --driver=virtualbox

This makes kubectl configured to use "minikube" cluster and "default" namespace my default

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

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

3- What is the nginx pod status?

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

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

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

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

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

9- Get a shell to the running container i.e ssh into it (figure out the command)

10- Run cat /etc/os-release inside the container

11- Exit from the shell (/bin/bash) session

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

13- How many ReplicaSets exist on the system?

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

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

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

17- 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?