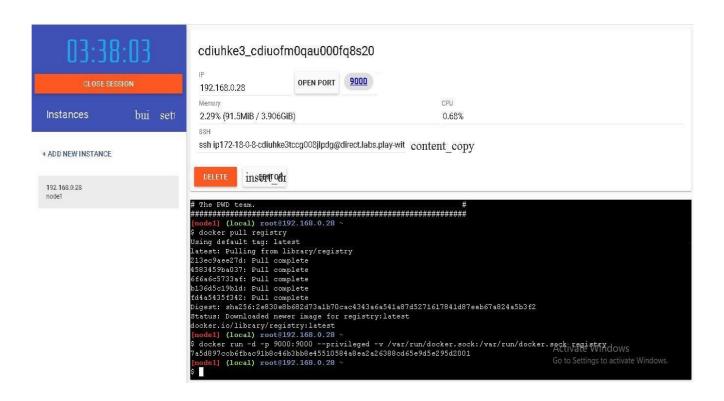
ASSIGNMENT -4 DOCKER DESKTOP (Kubernets)

Question 1:

Pull an image from docker hub and run it on docker playground.

docker pull registry

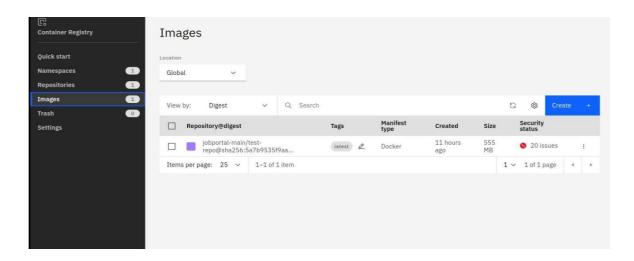
docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock registry



Question 2:

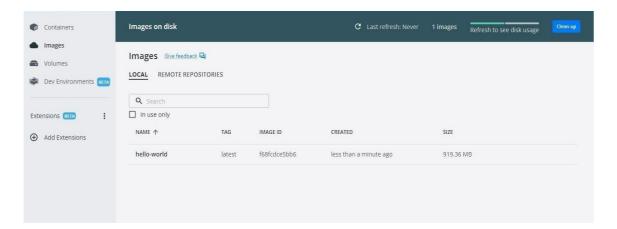
Create a docker file for the job portal app or hello world app and deploy it indocker desktop app.

FROM python:3.8
WORKDIR /app
ADD ./app
COPY requirements.txt /app
RUN python3 -m pip install -r requirements.txt
EXPOSE 5000
CMD["python","app.py"]



Question 3:

Create an IBM container registry and deploy helloworld app or job portalapp.



Question 4:

Create a kubernetes cluster in IBM cloud and deploy helloworld imageor job portal image and also expose the same app to run in nodeport.

```
apiVersion:
v1kind:
Service
metadata:
      name: hello-world-
  deploymentspec:
      ports:
      - port: 5000
         targetPort:
      5000selector: app:
         hello-world
  apiVersion:
  apps/v1kind:
  Deployment
  metadata:
      name: hello-world-
  deploymentspec:
      replic
      as: 1
      select
      or:
         matchLabels: app:
           hello-
      worldtemplate:
         meta
           da
           ta
           la
           be
           ls
             app: hello-
         worldspec:
           containers:
           - name: hello-world
             image: au.icr.io/hello-world-app/hello-
             worldimagePullPolicy: Always
             ports:
             - containerPort: 5000
```

