ASSIGNMENT 4

Team ID	PNT2022TMID13422
Project Name	Customer Care Registry
Student Name	Yoga Vignesh MK

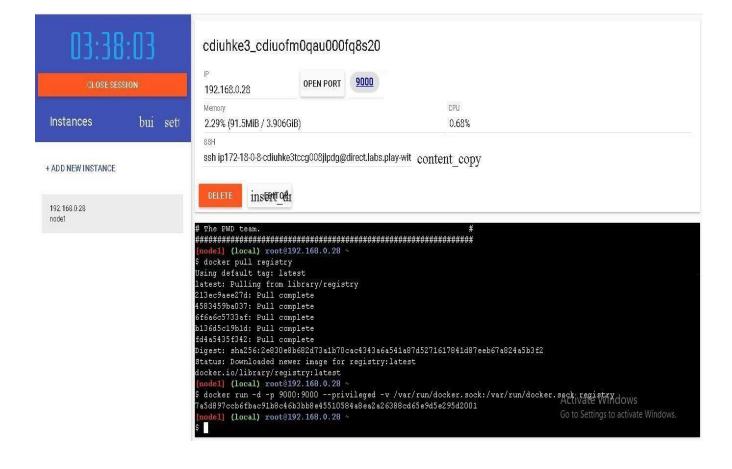
DOCKER DESKTOP (Kubernet)

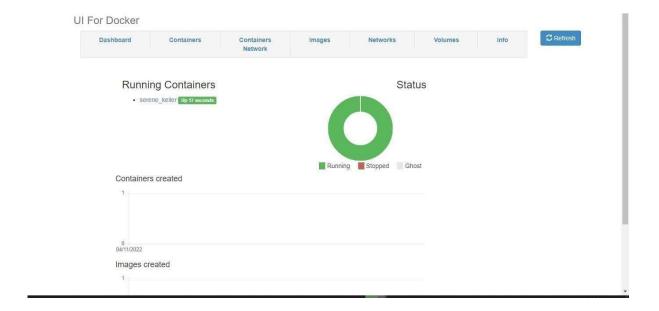
Question 1:

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 in docker desktop app.

```
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FROM python:3.8

WORKDIR /app

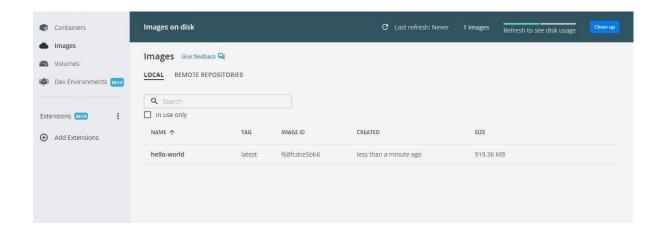
ADD . /app

COPY requirements.txt /app

RUN python3 -m pip install -r requirements.txt

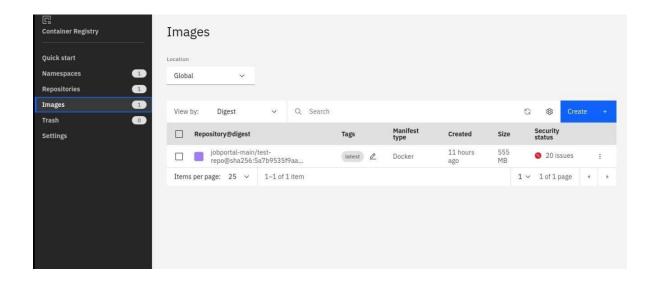
EXPOSE 5000

CMD ["python", "app.py"]
```



Question 3:

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



Question 4:

Create a kubernetes cluster in IBM cloud and deploy helloworld image or 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: helloworldtemplate: meta da ta: la be ls app: helloworldspec: containers: - name: hello-world image: au.icr.io/hello-world-app/helloworldimagePullPolicy: Always ports: - containerPort: 5000

