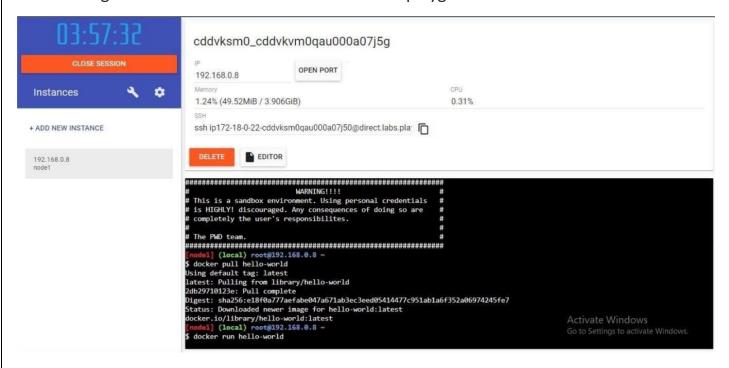
ASSIGNMENT 4

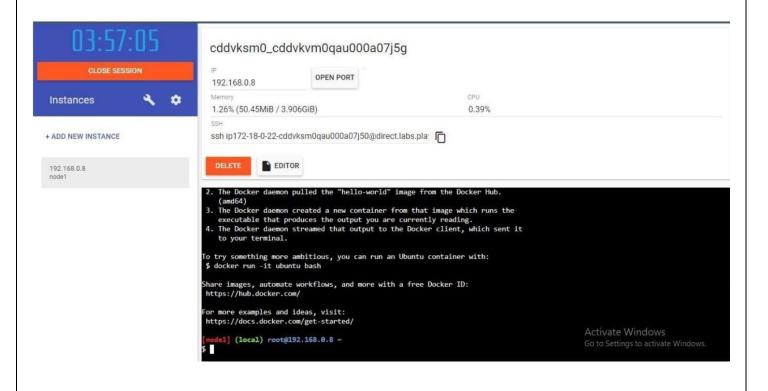
Name: ASHIK MEERAN MOHIDEEN

Roll No.: 190501020

QUESTION 1:

Pull an Image from docker hub and run it in docker playground.





QUESTION 2:

Create a docker file for the jobportal application and deploy it in Docker desktop application.

DOCKER FILE:

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

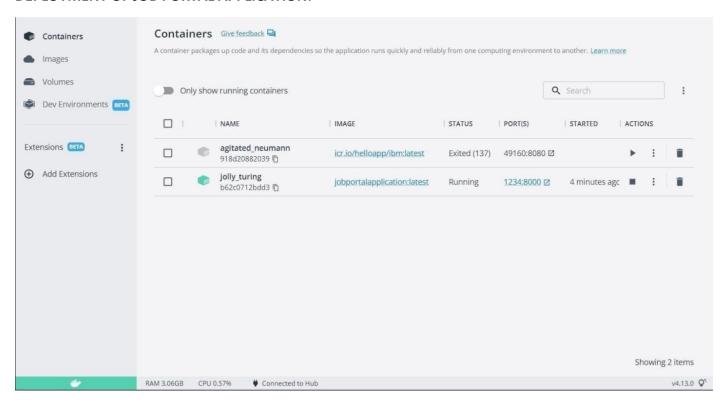
RUN cp .env.dev.sample .env

EXPOSE 8000

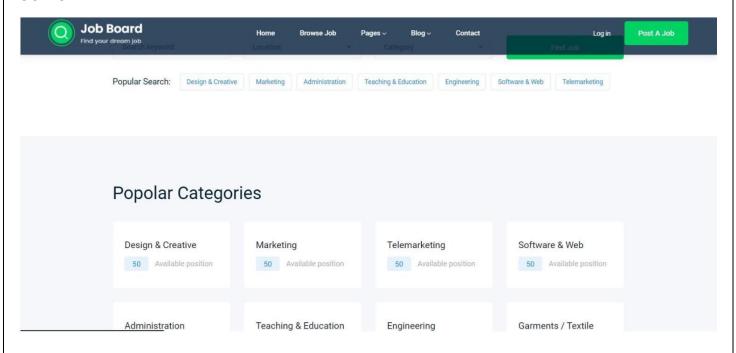
RUN chmod +x entrypoint.sh

CMD ["sh", "entrypoint.sh"]
```

DEPLOYMENT OF JOB PORTAL APPLICATION:



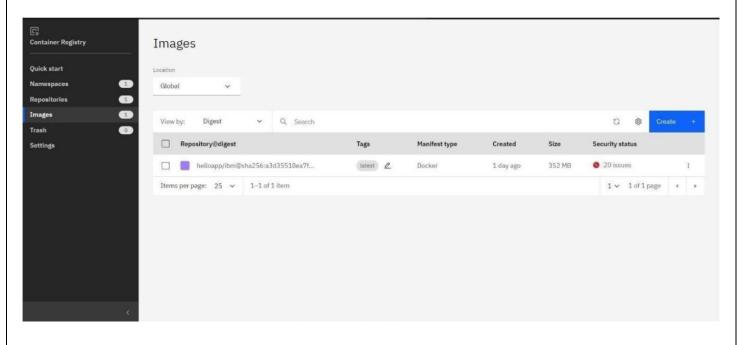
OUTPUT:



QUESTION 3:

Create a IBM container registry and deploy helloworld app or jobportalapp.

CONTAINER REGISTER DEPLOYMENT:



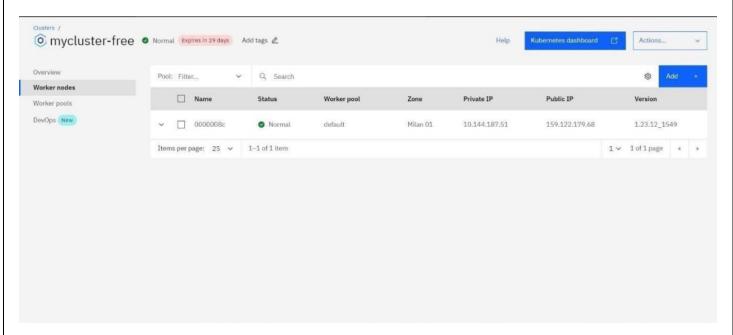
OUTPUT:



QUESTION 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

CREATING KUBERNETES CLUSTER IN IBM CLOUD AND EXPOSING NODE PORT:



OUTPUT:

