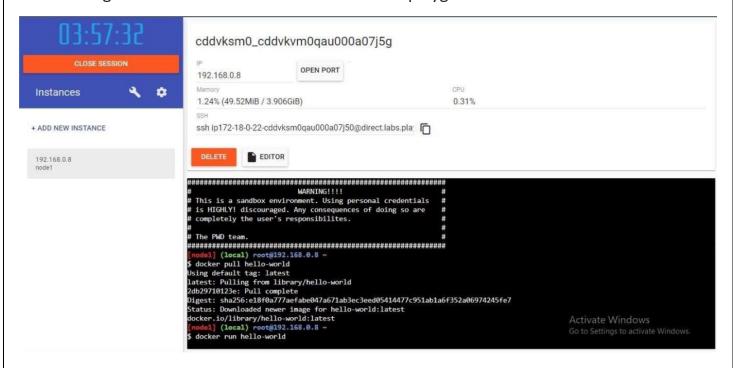
# **ASSIGNMENT 4**

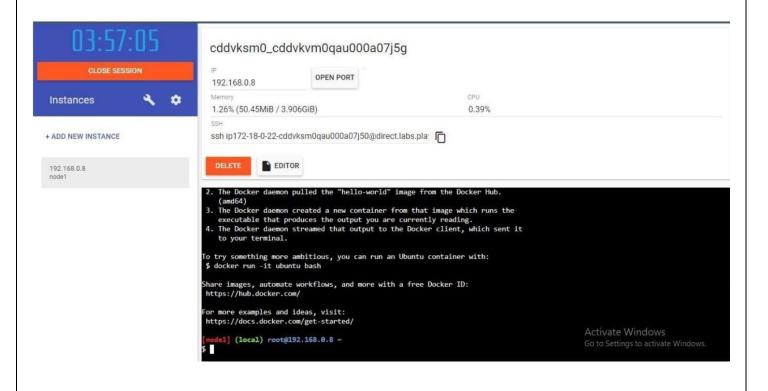
Name: Balasubramanian

Roll No.: 190501302

# **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

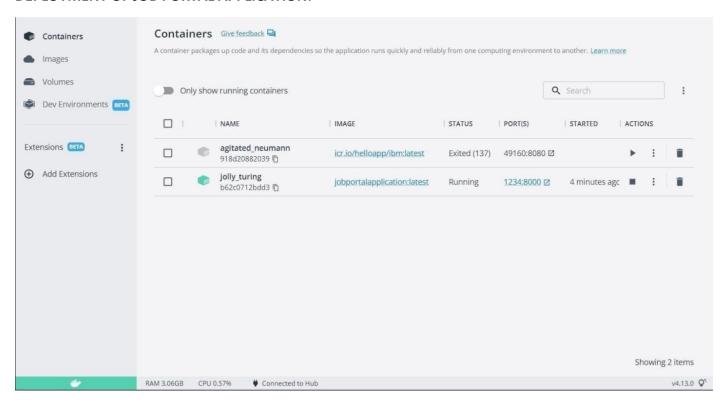
RUN cp .env.dev.sample .env

EXPOSE 8000

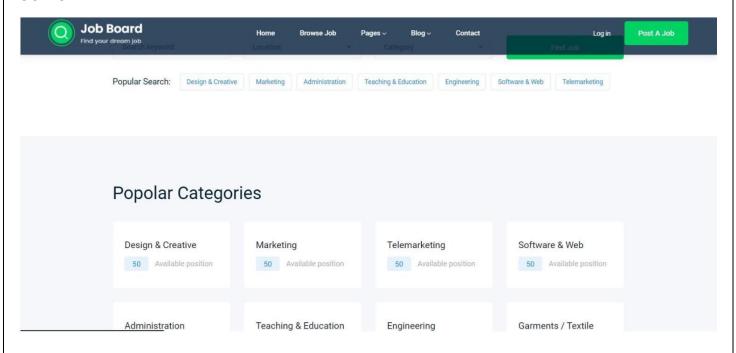
RUN chmod +x entrypoint.sh

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

### **DEPLOYMENT OF JOB PORTAL APPLICATION:**



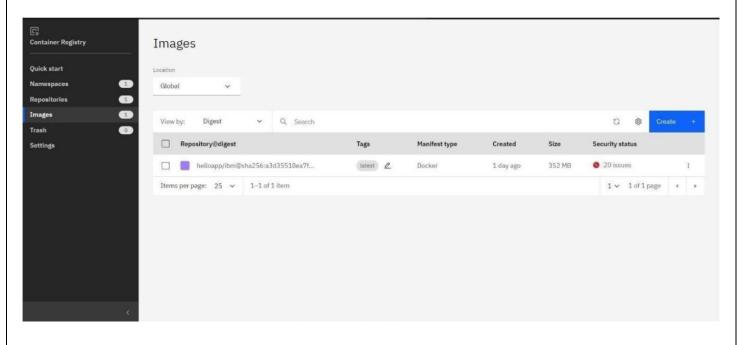
## **OUTPUT:**



# **QUESTION 3:**

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

## **CONTAINER REGISTER DEPLOYMENT:**



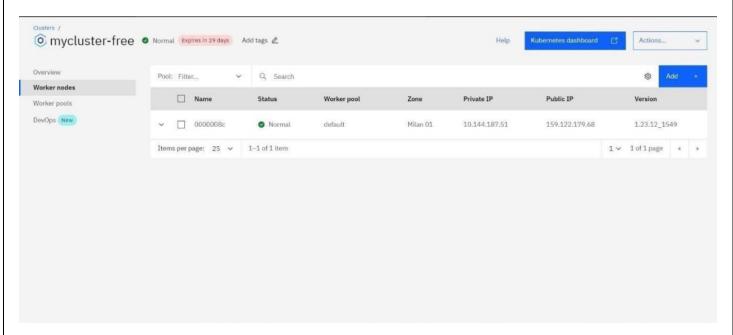
#### **OUTPUT:**



# **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:**

