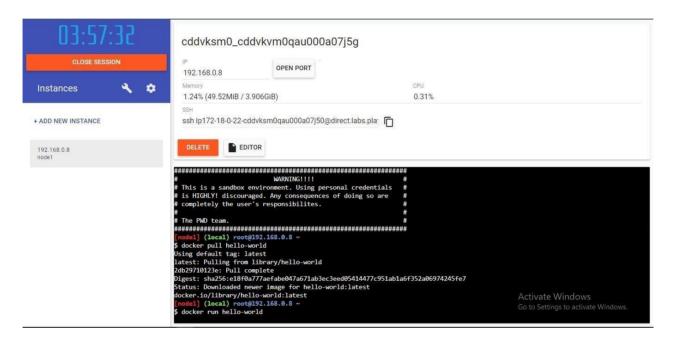
# **ASSIGNMENT 4**

TEAM ID	PNT2022TMID15066
PROJECT NAME	PLASMA DONOR APPLICATION
NAME	YOGESHWARAN K

### 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.

#### **DOCKERFILE:**

```
FROM python:3.8-buster

WORKOIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

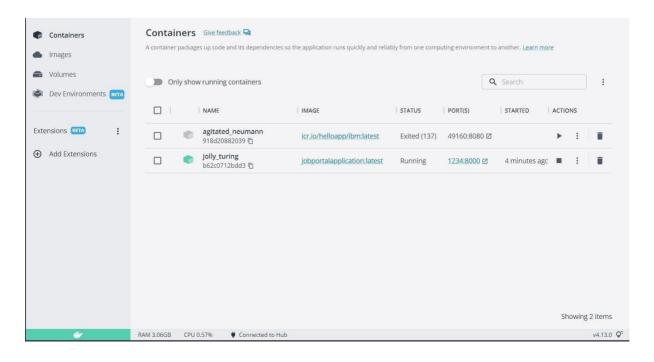
RUN cp .env.dev.sample .env

EXPOSE 8000

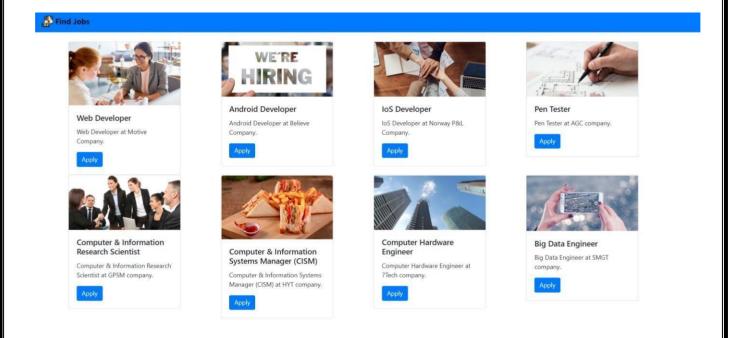
RUN chmod +x entrypoint.sh

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

### DEPLOYMENT OF JOBPORTAL APPLICATION:



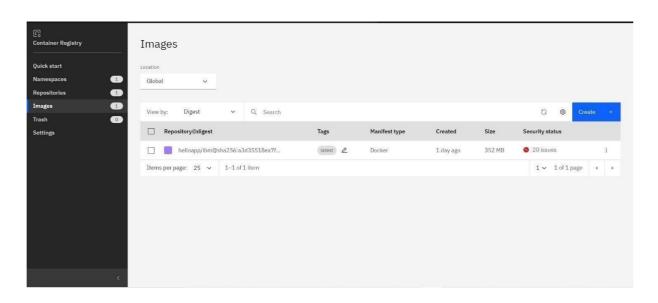
#### **OUTPUT:**



## Question 3:

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

## IBM CONTAINER REGISTRY DEPLOYMENT:



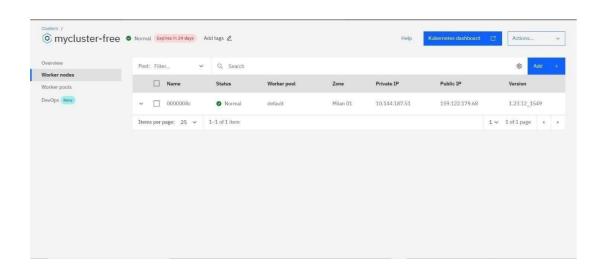
#### **OUTPUT**:



# 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 NODEPORT:



# OUTPUT:





