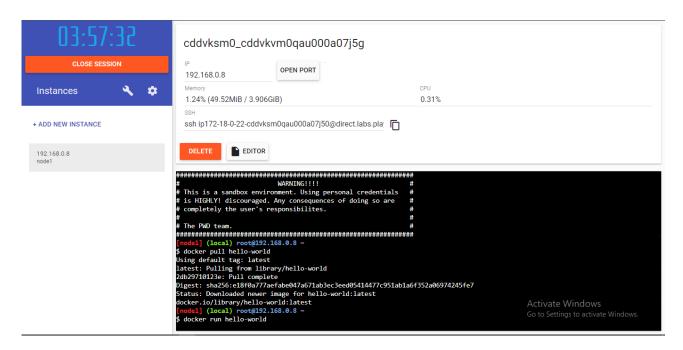
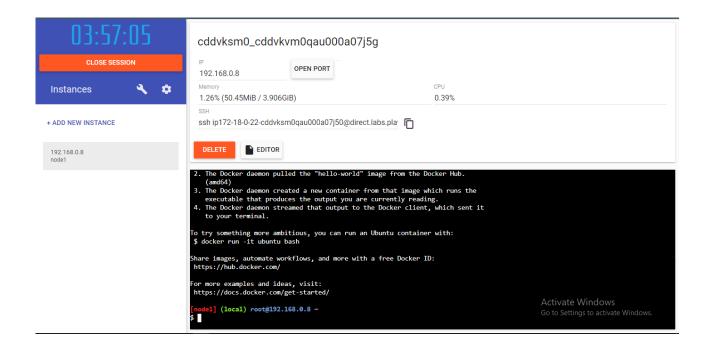
# Assignment - 4

Assignment Date	24 October 2022
Student Name	Kavidhasan M
Student Roll Number	111519205020
Maximum Marks	2 Marks

# 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/

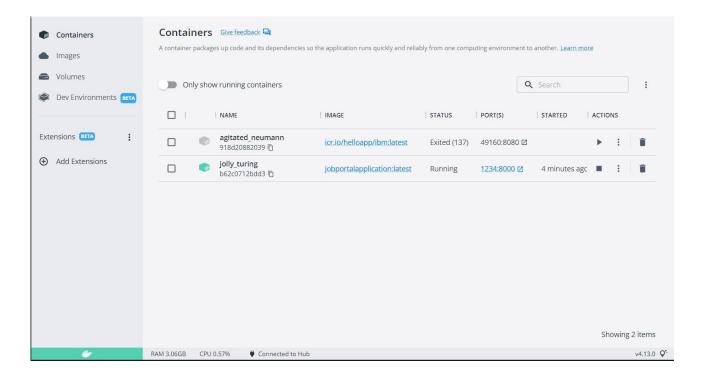
RUN cp .env.dev.sample .env

EXPOSE 8808

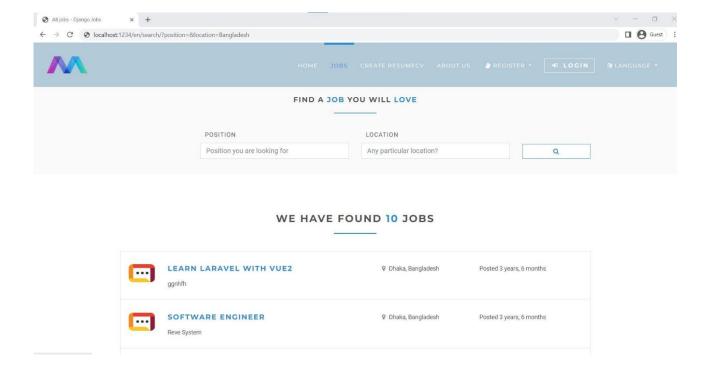
RUN chmod +x entrypoint.sh

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

### **DEPLOYMENT OF JOBPORTAL APPLICATION:**



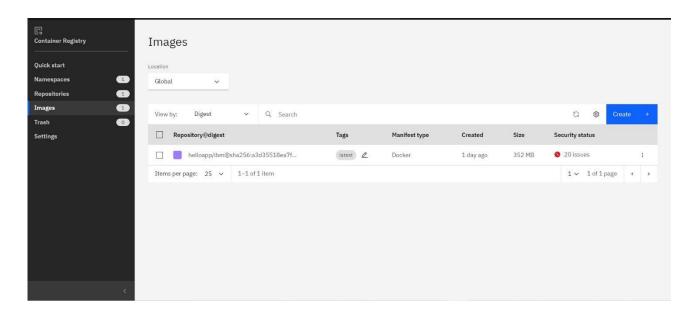
### **OUTPUT:**



# Question 3:

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

#### **IBM CONTAINER REGISTRY DEPLOYMENT:**



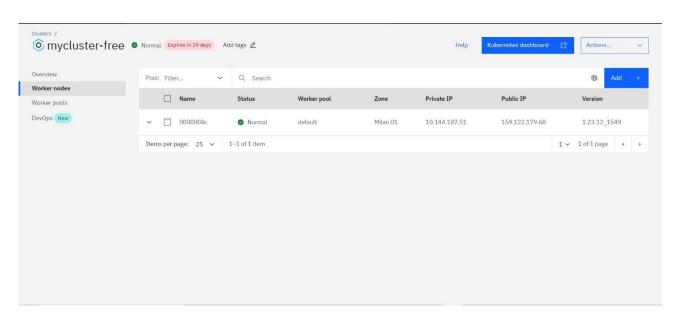
#### **OUTPUT:**



## 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:

