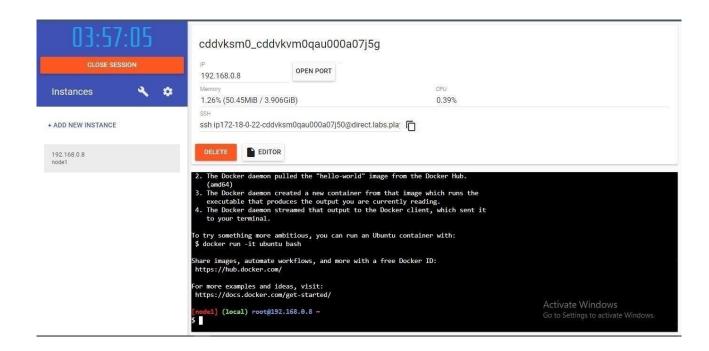
# Assignment - 4

Assignment Date	04 November 2022
Student Name	KARTHIKEYAN P
Student Roll Number	412519104059
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 job portal application and deploy it in Docker desktopapplication.

#### **DOCKER FILE:**

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY ./app/

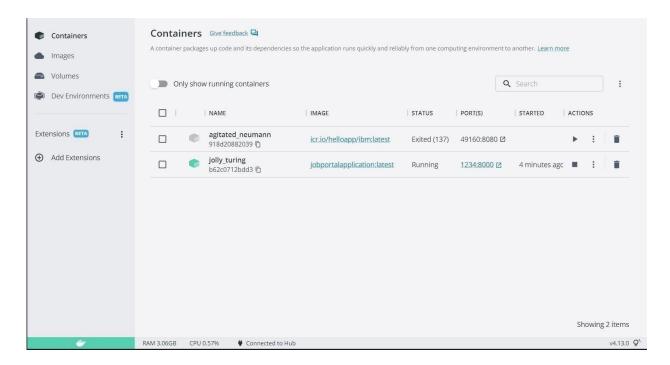
RUN cp.env.dev.sample .env

EXPOSE 8080

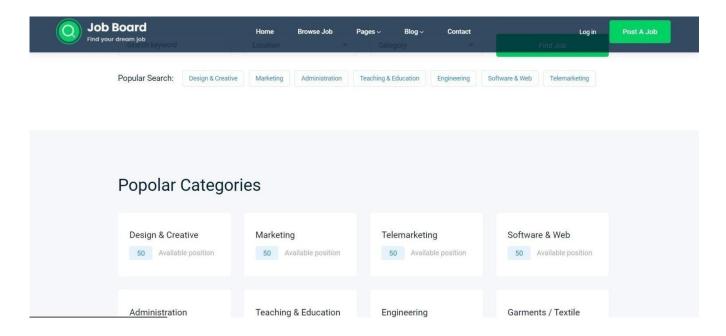
RUN chmod +x entrypoint.sh

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

# DEPLOYMENT OF JOBPORTAL APPLICATION:



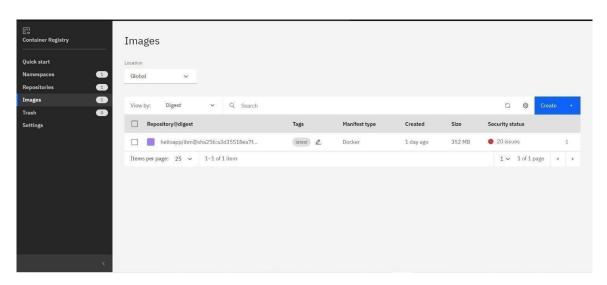
#### **OUTPUT:**



#### **Question 3:**

Create a IBM container registry and deploy hello-world app or job port app.IBM

# **CONTAINER REGISTRY DEPLOYMENT:**



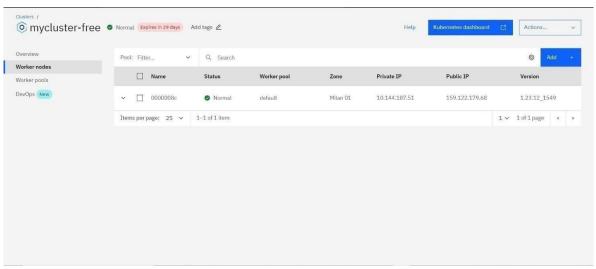
#### **OUTPUT:**



# **Question 4:**

Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.

#### **Creating Kubernetes cluster in IBM cloud and exposing node port:**



# **Output:**

