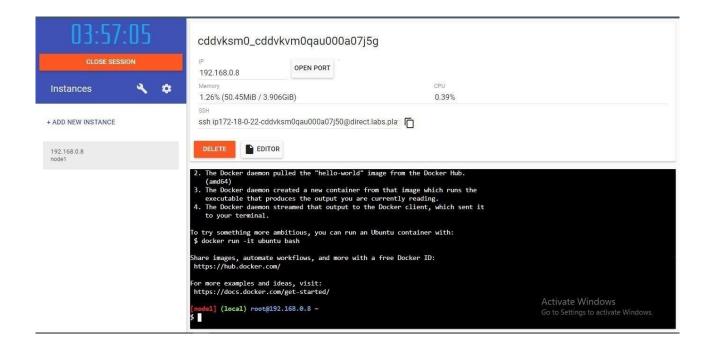
# **Assignment-4**

| Assignment Date     | 30 October 2022 |
|---------------------|-----------------|
| Student Name        | Nandha kumar D  |
| Student Roll Number | 727719EUEC086   |
| 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/

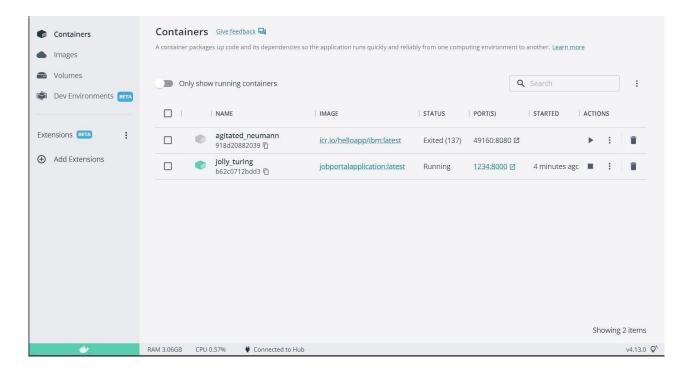
RUN cp .env.dev.sample .env

EXPOSE 8000

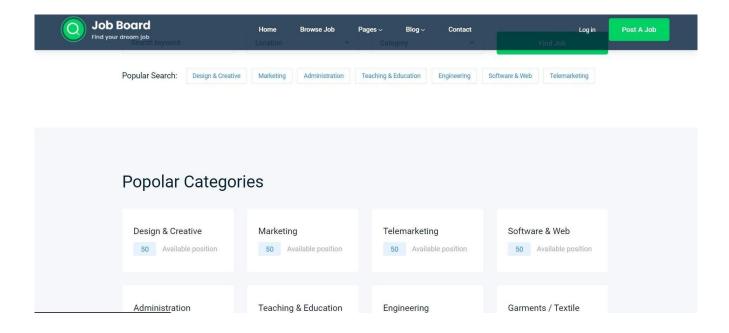
RUN chmod +x entrypoint.sh

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

## **DEPLOYMENT OF JOBPORTAL APPLICATION:**



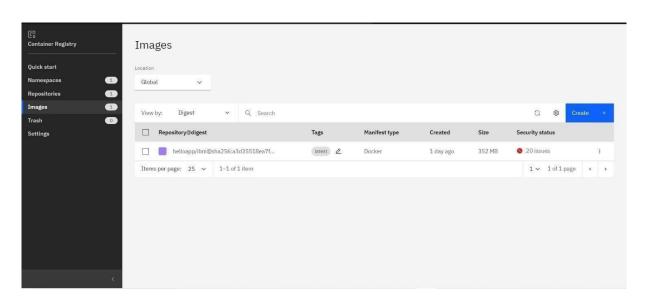
### **OUTPUT:**



## Question 3:

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

### **CONTAINER REGISTRY DEPLOYMENT:**



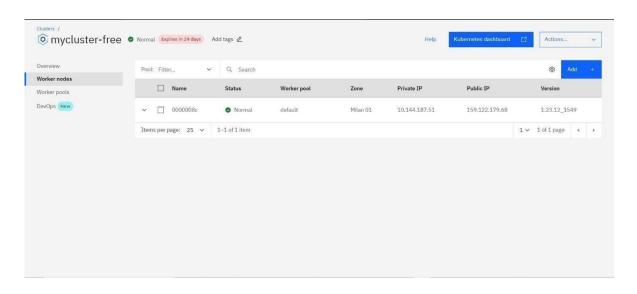
## **OUTPUT:**



### 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:

