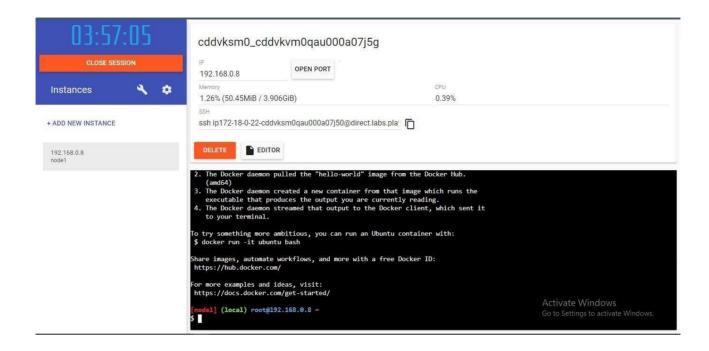
### **ASSIGNMENT - 4**

Assignment Date	19 September 2022
Student Name	M.Saraswathi
Student Roll Number	820419104062
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

WORKOIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

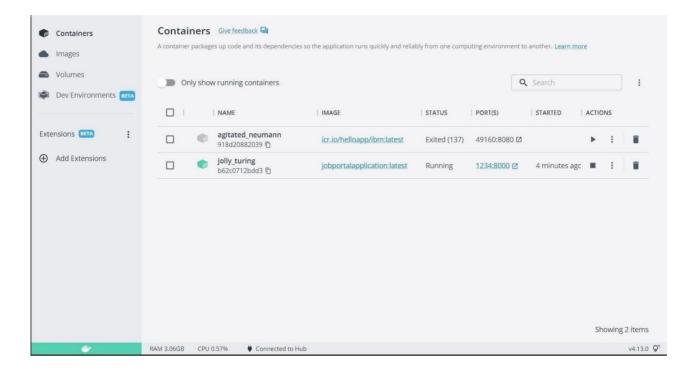
RUN cp .env.dev.sample .env

EXPOSE 8080

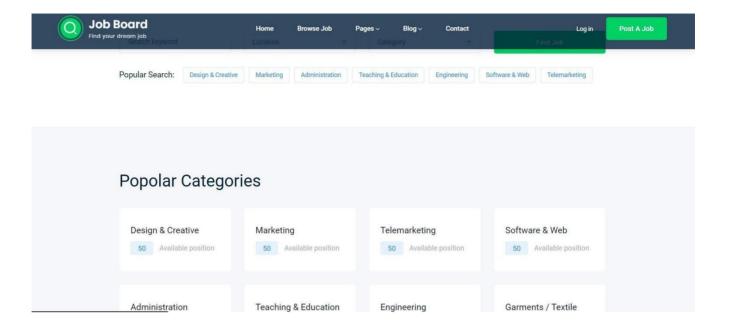
RUN chmod +x entrypoint.sh

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

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



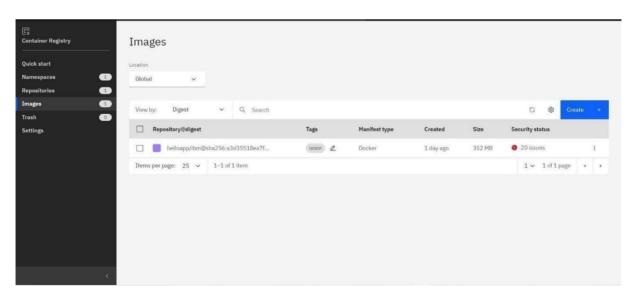
**OUTPUT:** 



### Question 3:

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

# app.IBM CONTAINER REGISTRY DEPLOYMENT:



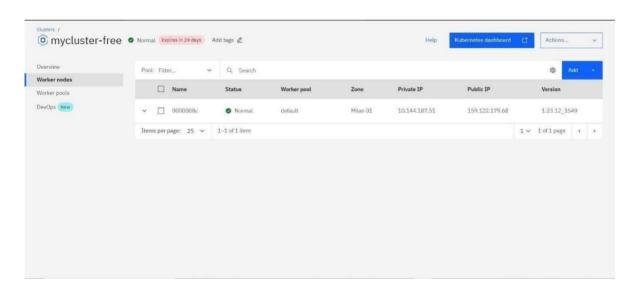
## **OUTPUT**:



## Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld 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:

