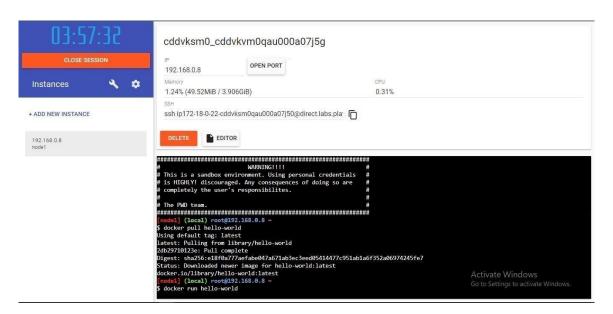
# **Assignment-4**

Assignment Date	30 October 2022
Student Name	Karan Siranjith M
Student Roll Number	727719EUEC063
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/

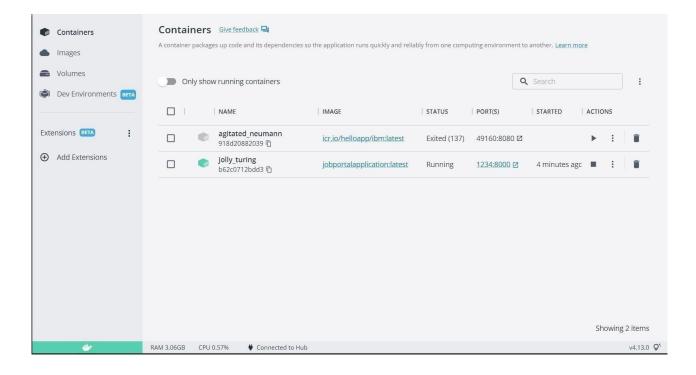
RUN cp .env.dev.sample .env

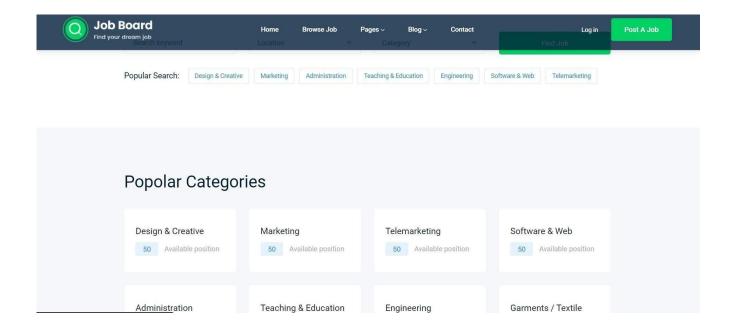
EXPOSE 8808

RUN chmod +x entrypoint.sh

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

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

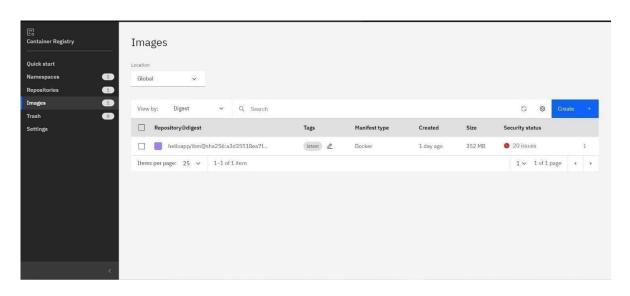




## Question 3:

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

## **CONTAINER REGISTRY DEPLOYMENT:**



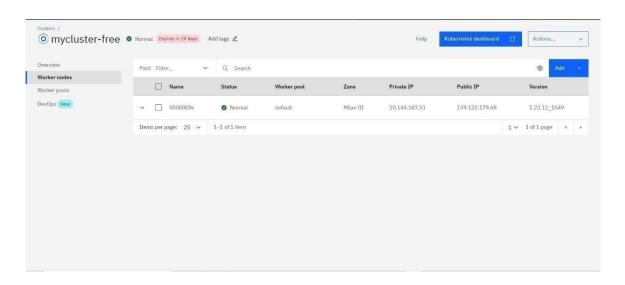
#### **OUTPUT:**



## 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:

