# **ASSIGNMENT 4**

**Team Batch No: 1A3E** 

**Team Members:** 

Soundarya. T

Akshaya. S

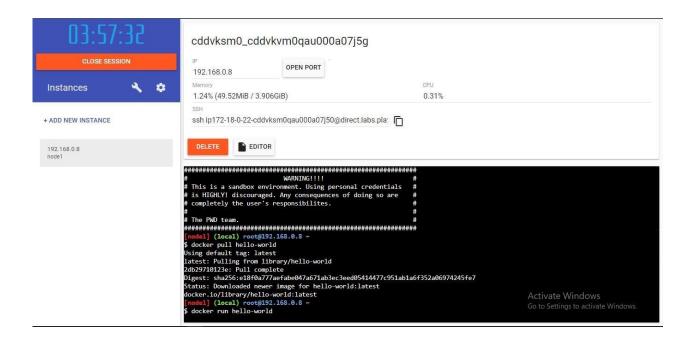
Kanagavalli. B

Madhumitha. S

Reshma. E

### 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:

```
WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

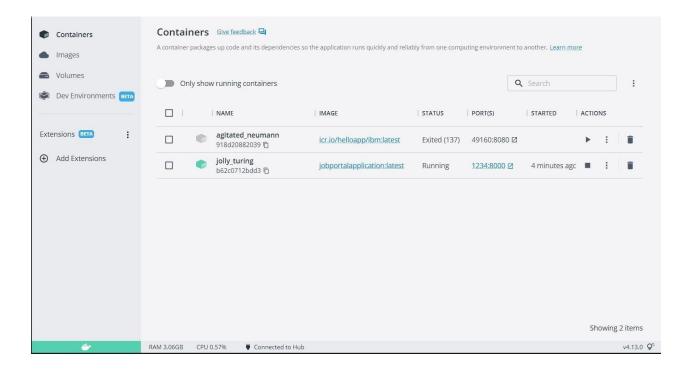
RUN cp.env.dev.sample .env

EXPOSE 8000

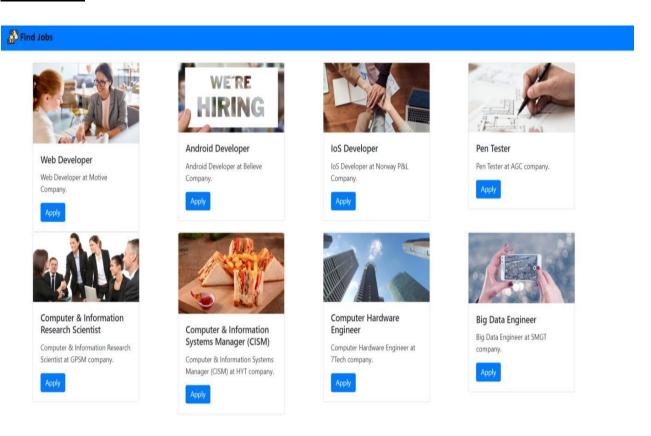
RUN chmod +x entrypoint.sh

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

#### DEPLOYMENT OF JOBPORTAL APPLICATION:



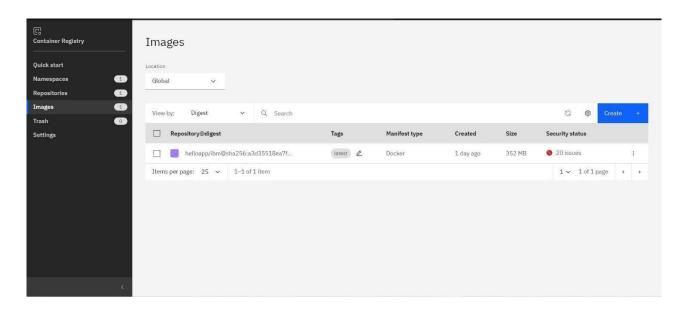
### **OUTPUT:**



# Question 3:

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

### IBM CONTAINER REGISTRY DEPLOYMENT:



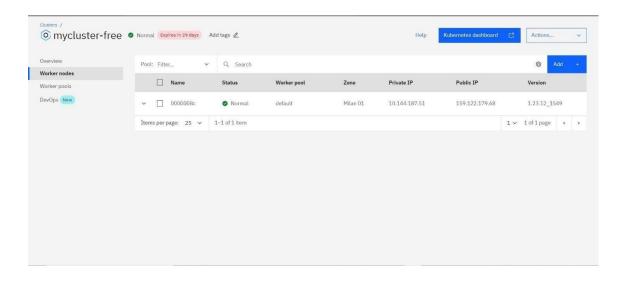
### **OUTPUT**:



### 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:**

