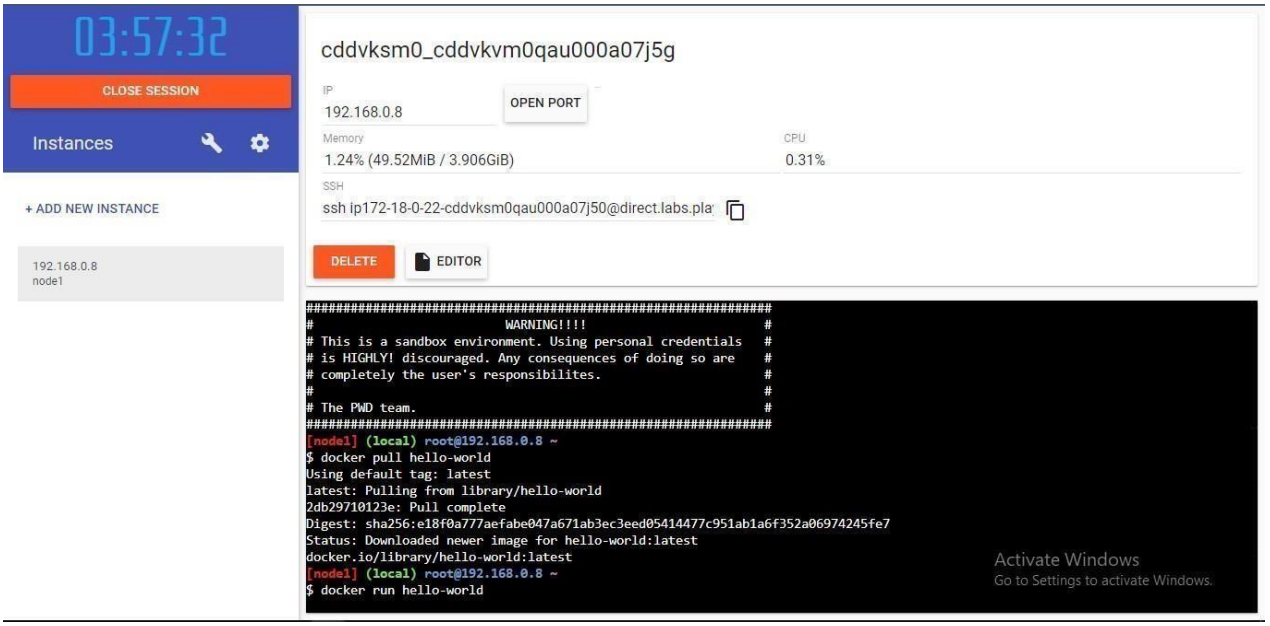
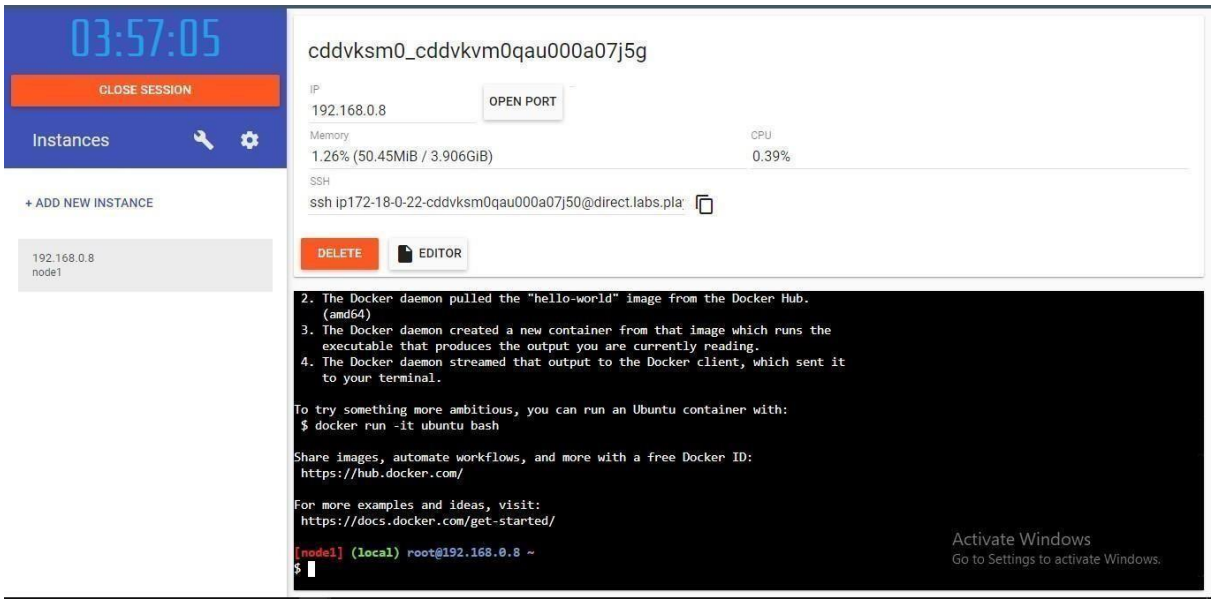
ASSIGNMENT-4

Student Name	Bharath M
Student Roll Number	310619106301
Maximum Marks	2 Marks

Question 1:

Pull an image from docker hub and run it in docker playground.

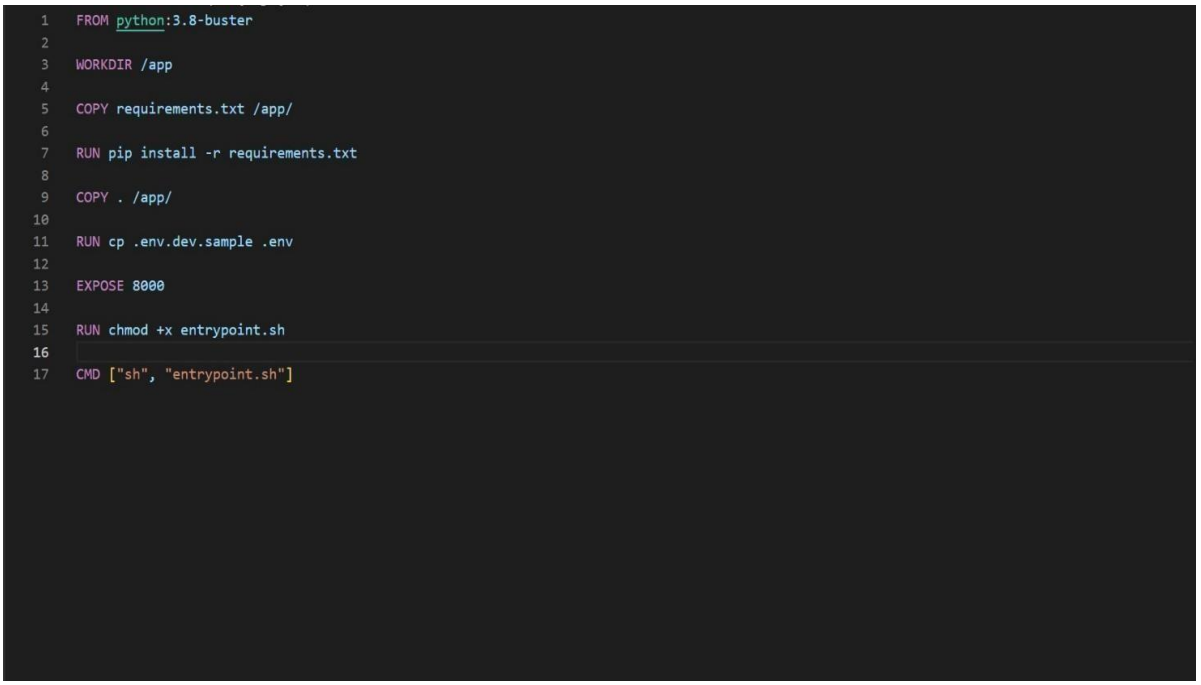




Question 2:

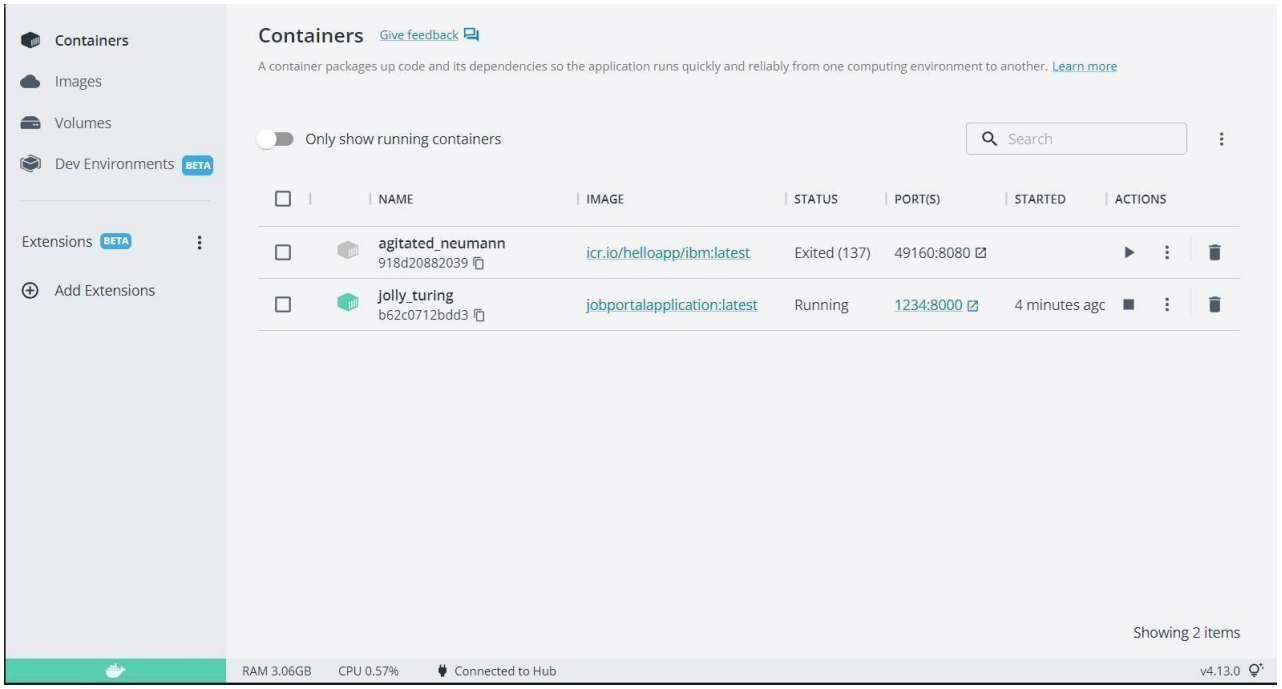
Create a docker file for the jobportal application and deploy it in Dockerdesktop application.

DOCKERFILE:

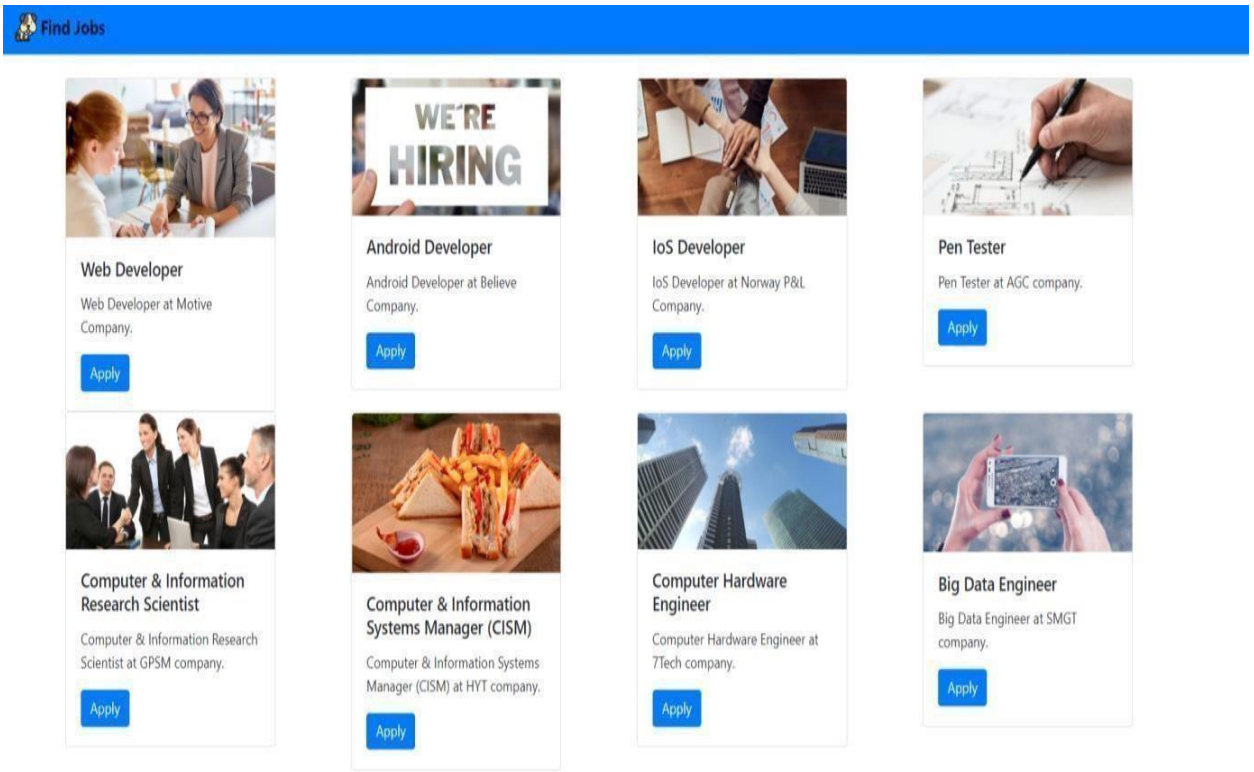


```
FROM python:3.8-buster

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:

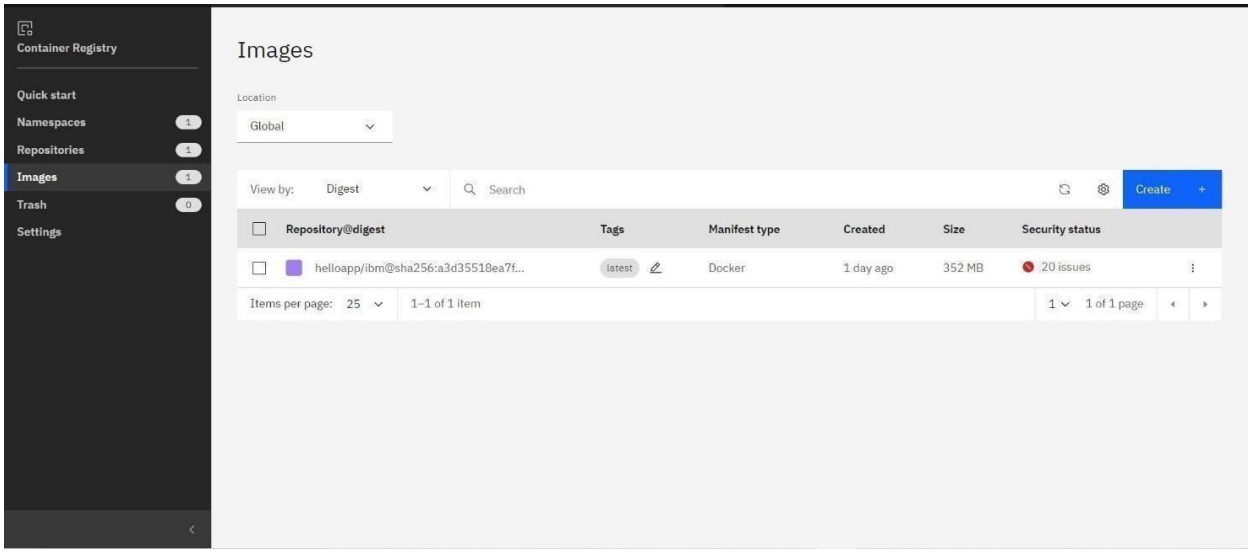


Question 3:

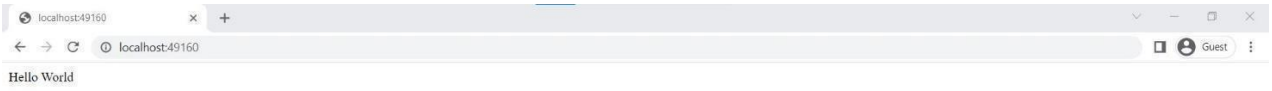
Create a IBM container registry and deploy helloworld app

or jobportapp.IBM CONTAINER REGISTRY

DEPLOYMENT:

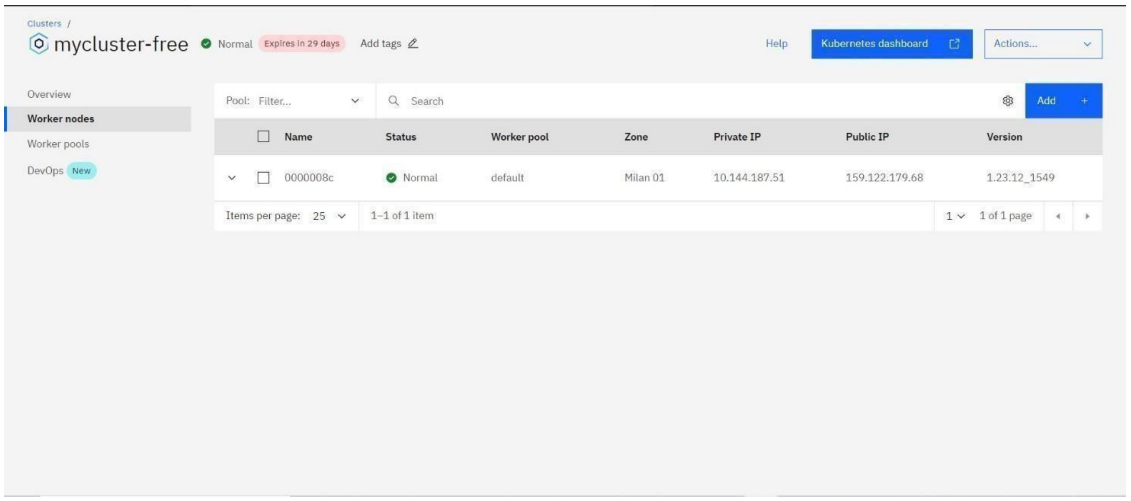


OUTPUT :



Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image orjobportal image and also expose the same app to run in nodeport.
CREATINGKUBERNETES CLUSTER IN IBM CLOUD AND EXPOSINGNODEPORT:



OUTPUT: