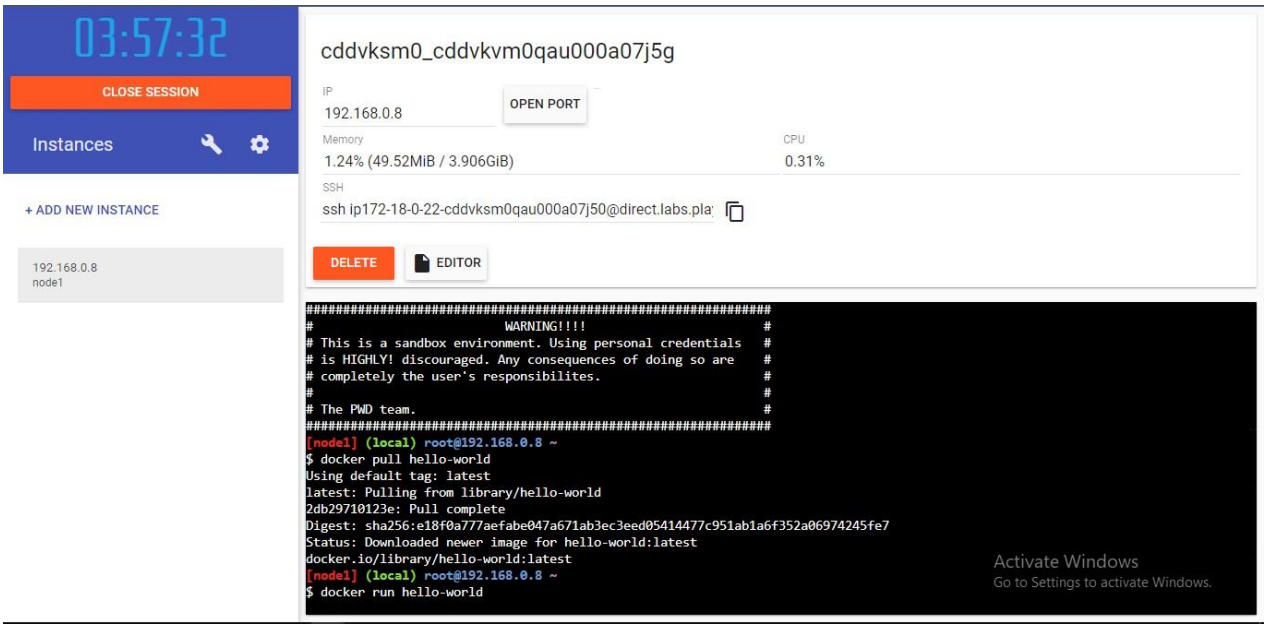
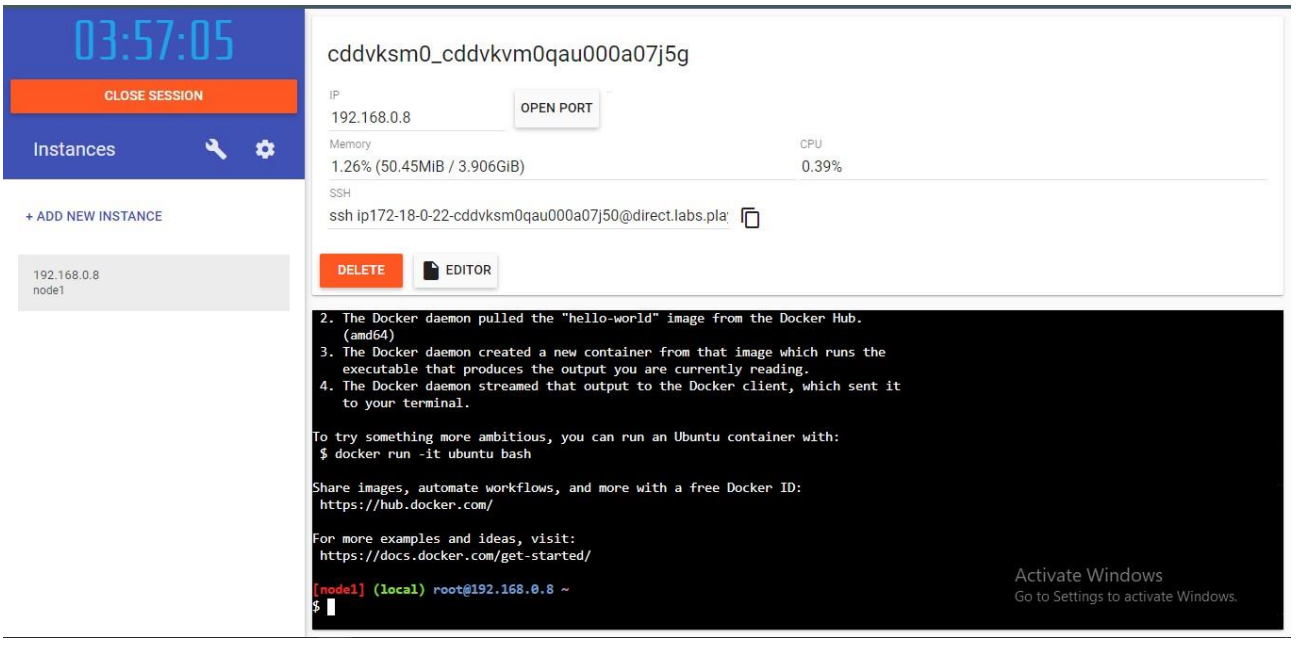
ASSIGNMENT 4

TEAM ID	PNT2022TMID15338
PROJECT NAME	PLASMA DONOR APPLICATION

Question 1:

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





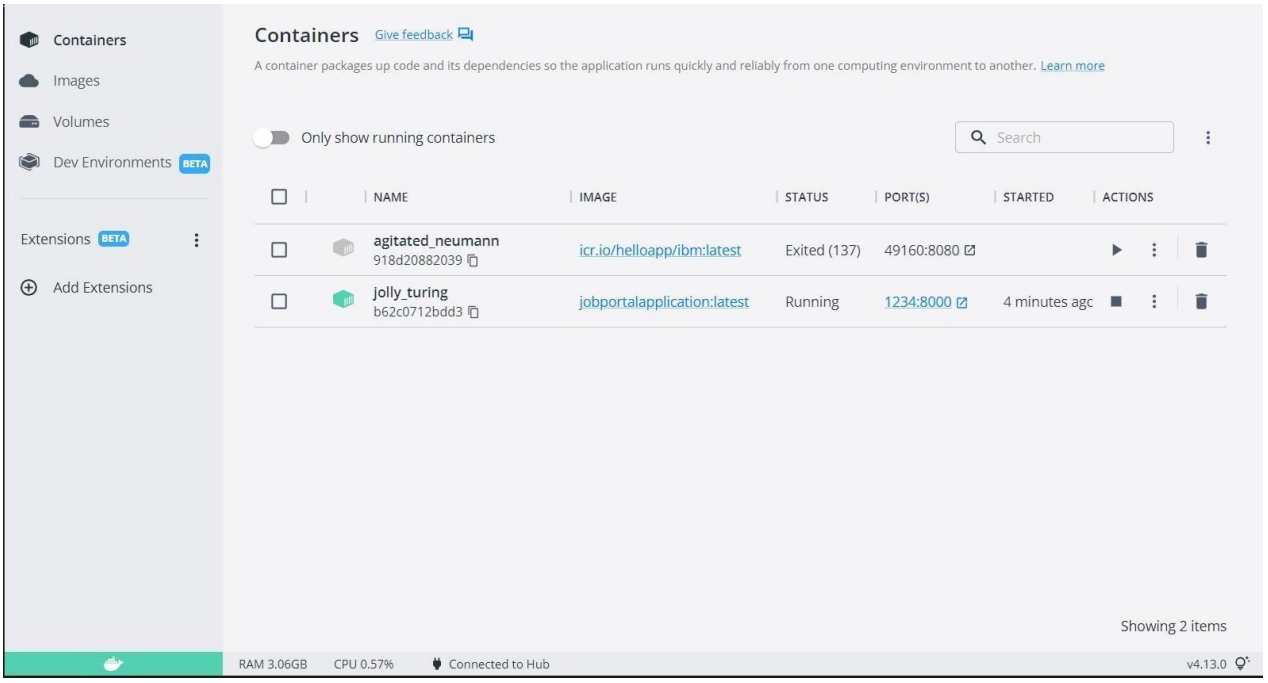
Question 2:

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

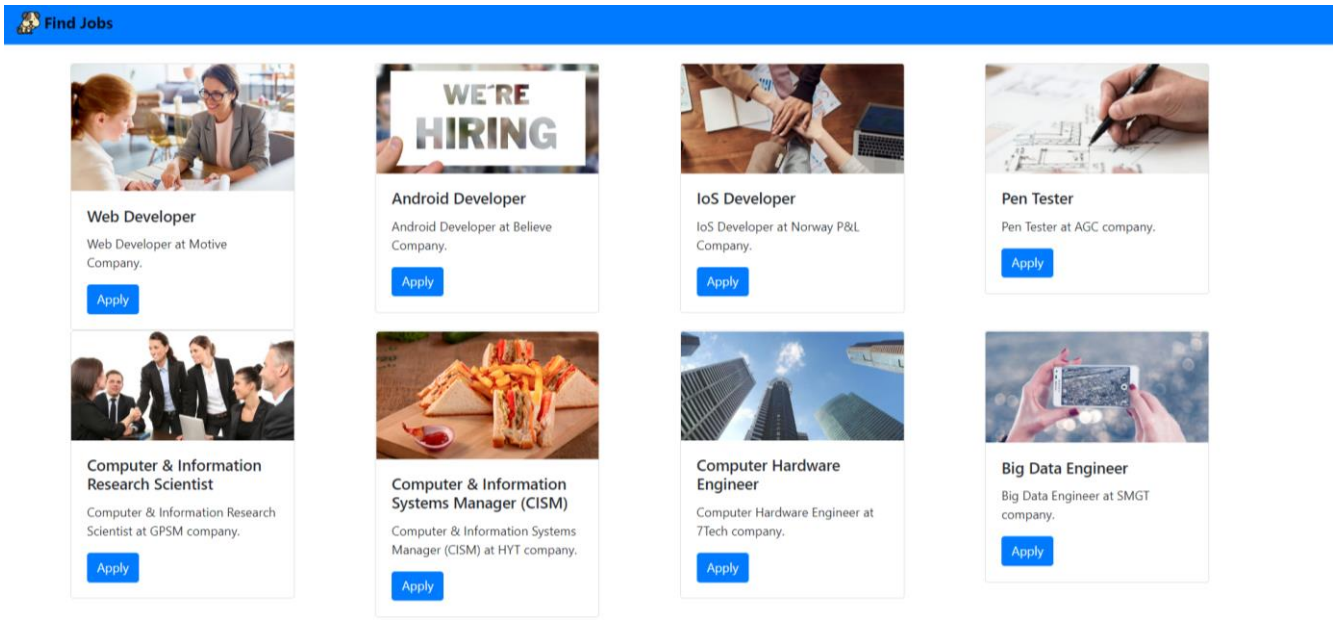
DOCKERFILE:

```
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:



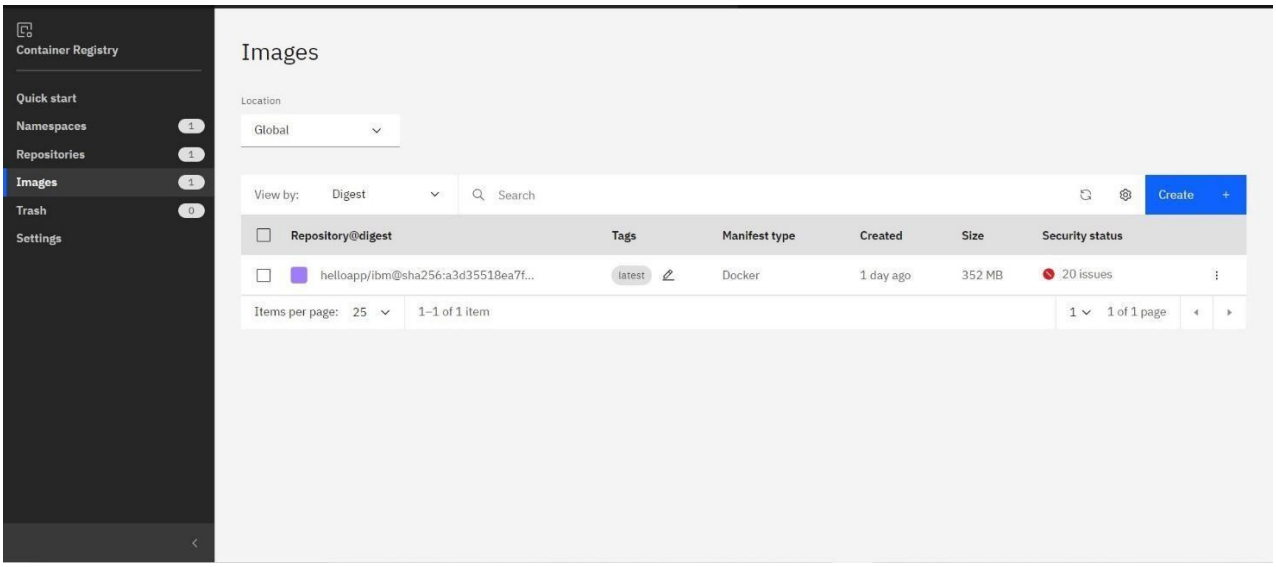
OUTPUT:



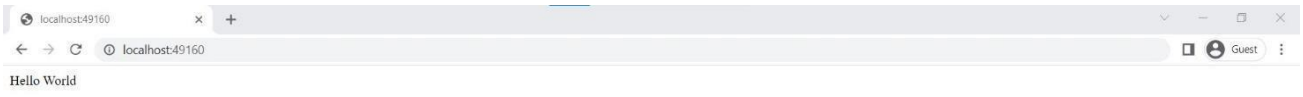
Question 3:

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

IBM CONTAINER REGISTRY DEPLOYMENT:



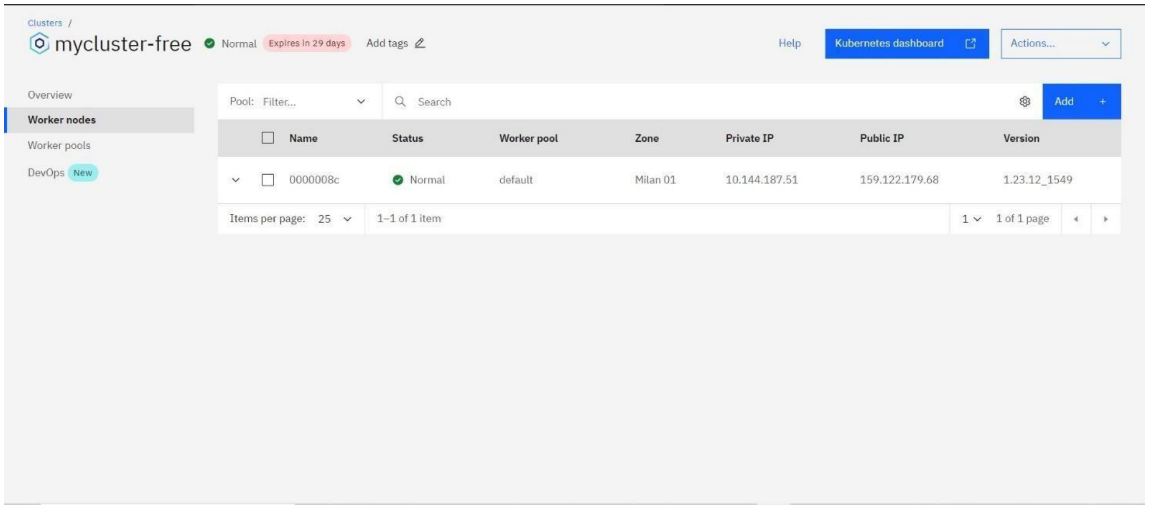
OUTPUT:



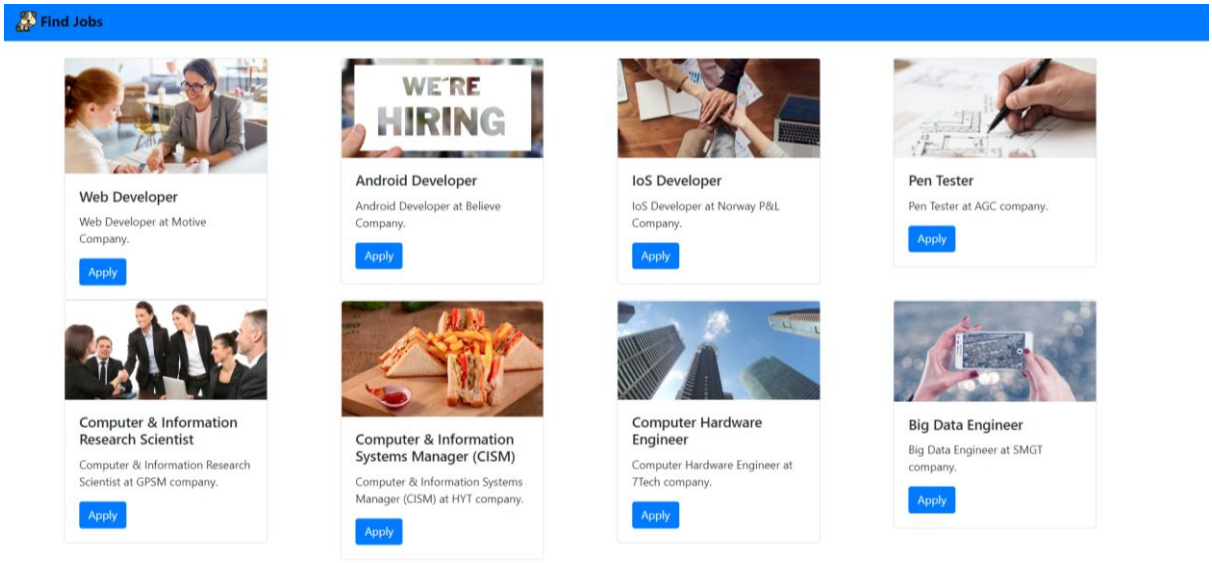
Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

CREATING KUBERNETES CLUSTER IN IBM CLOUD AND EXPOSING NODEPORT:



OUTPUT:


Find Jobs
Web Developer
Web Developer at Motive Company.
Apply
WE'RE HIRING
Android Developer
Android Developer at Believe Company.
Apply
IoS Developer
IoS Developer at Norway P&L Company.
Apply
Pen Tester
Pen Tester at AGC company.
Apply
Computer & Information Research Scientist
Computer & Information Research Scientist at GPSM company.
Apply
Computer & Information Systems Manager (CISM)
Computer & Information Systems Manager (CISM) at HYT company.
Apply
Computer Hardware Engineer
Computer Hardware Engineer at 7Tech company.
Apply
Big Data Engineer
Big Data Engineer at SMGT company.
Apply