ASSIGNMENT 4

TEAM ID	PNT2022TMID50023
PROJECT NAME	PLASMA DONOR APPLICATION

Question 1:

Pull an image from docker hub and run it in docker playground.
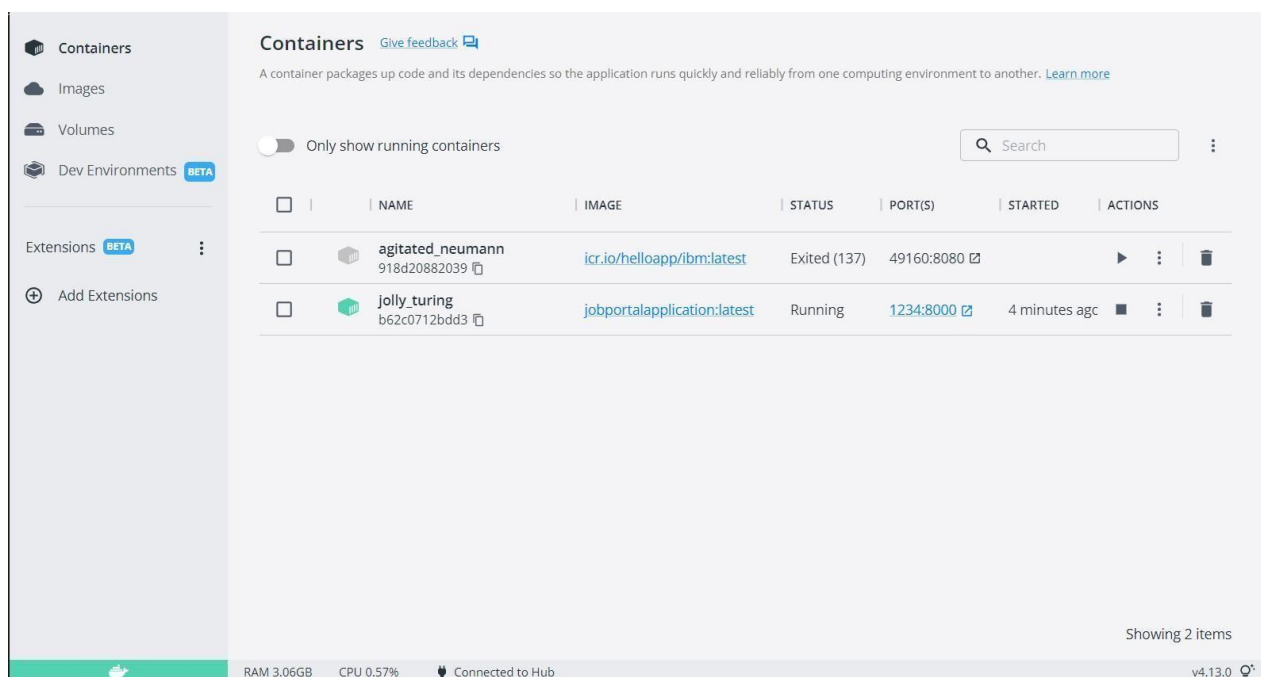
Question 2:

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

DOCKERFILE:

```
1   FROM python:3.8-buster
2
3   WORKDIR /app
4
5   COPY requirements.txt /app/
6
7   RUN pip install -r requirements.txt
8
9   COPY . /app/
10
11  RUN cp .env.dev.sample .env
12
13  EXPOSE 8000
14
15  RUN chmod +x entrypoint.sh
16
17  CMD ["sh", "entrypoint.sh"]
```

DEPLOYMENT OF JOBPORTAL APPLICATION:

Containers Give feedback 🖳

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. Learn more

Only show running containers   🔍 Search

		NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
☐		agitated_neumann 918d20882039	icr.io/helloapp/ibm:latest	Exited (137)	49160:8080 ☑		▶ ⋮ 🗑
☐		jolly_turing b62c0712bdd3	jobportalapplication:latest	Running	1234:8000 ☑	4 minutes ago	■ ⋮ 🗑

Containers
Images
Volumes
Dev Environments BETA

Extensions BETA
Add Extensions

Showing 2 items

RAM 3.06GB   CPU 0.57%   Connected to Hub   v4.13.0

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:

Web Developer

Web Developer at Motive Company.
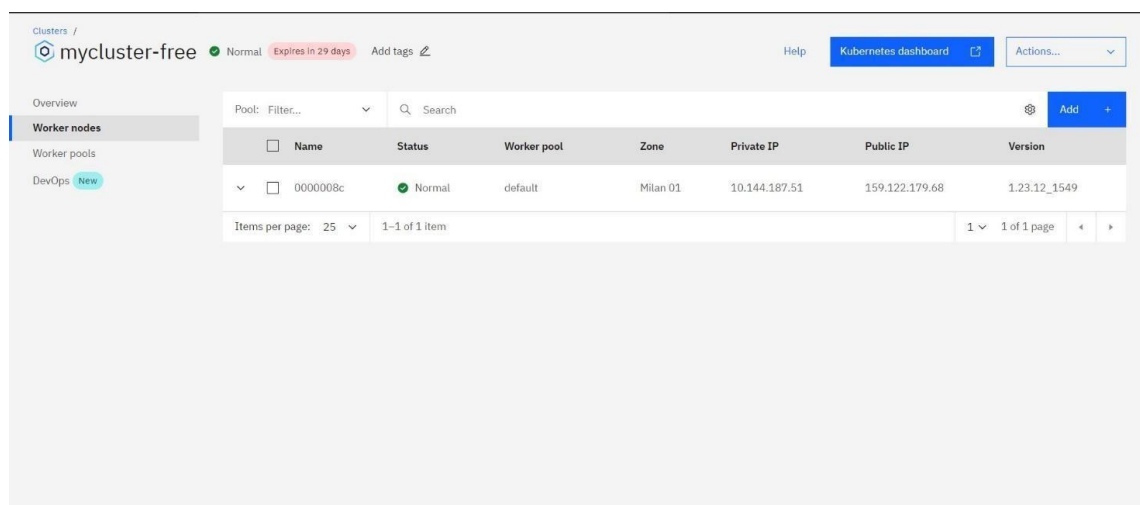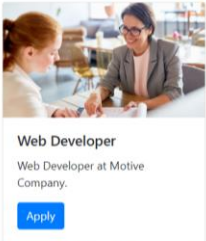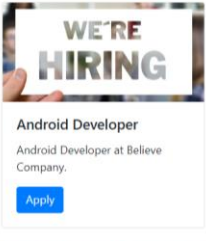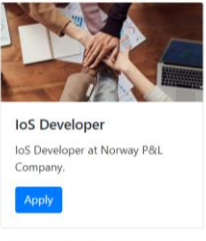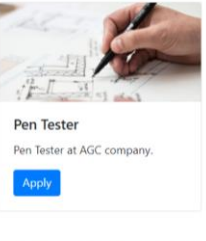
Apply

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