Assignment 4

Assignment Date	10-10- 2022
Student Name	Femil Angel
Student Roll Number	961819104032
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 inDocker desktop application

```
PROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY ./app/

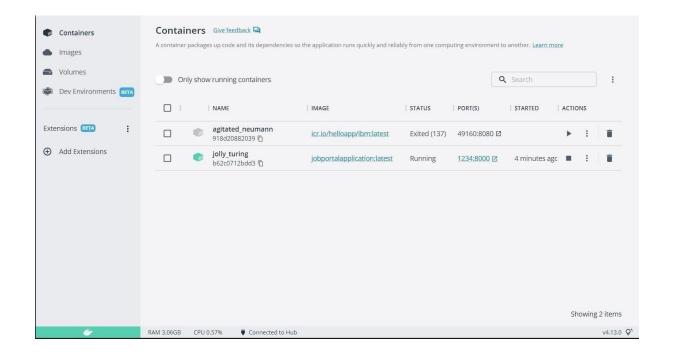
RUN cp .env.dev.sample .env

EXPOSE 8000

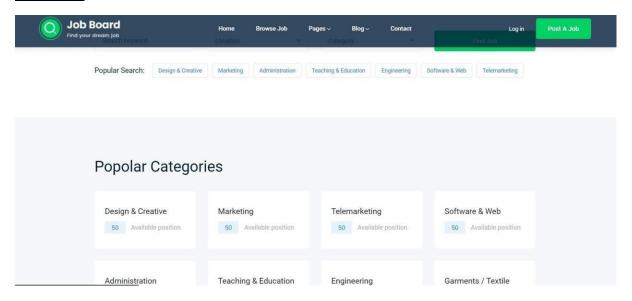
RUN chmod +x entrypoint.sh

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

DEPLOYMENT OF JOBPORTAL APPLICATION:



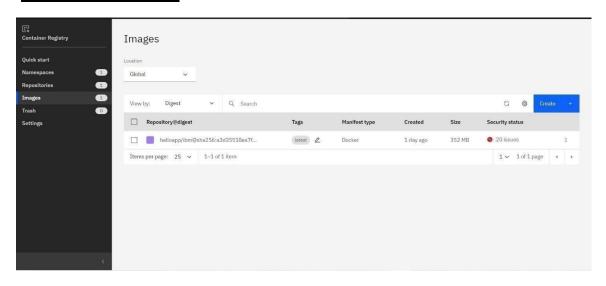
OUTPUT:



Question 3

Create a IBM container registry and deploy hello-world appor job port app. IBM CONTAINER REGISTRY

DEPLOYMENT:



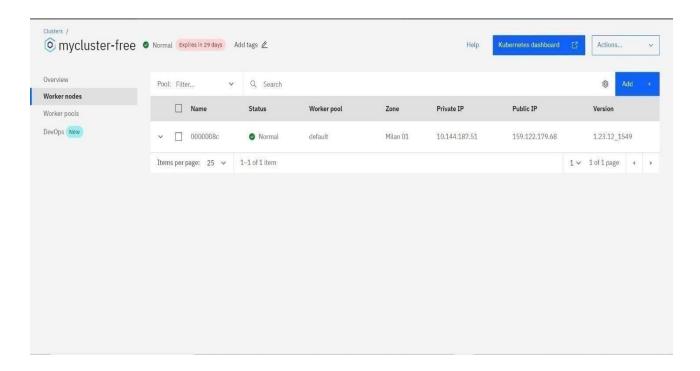
OUTPUT:



Question 4

Create a Kubernetes cluster in IBM cloud and deploy hello world imageor 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

