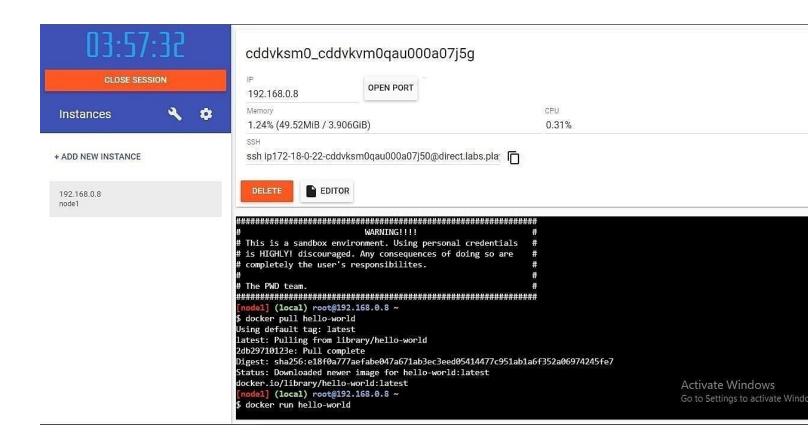
ASSIGNMENT 4

| Date | 27-10-2022 |
|---------------------|---------------|
| Student Name | Pradicsha C A |
| Student Roll Number | 194007 |
| Maximum Marks | 4 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 Docker desktop application.

Docker File:

```
FROM python:3.8-buster

NORKOIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

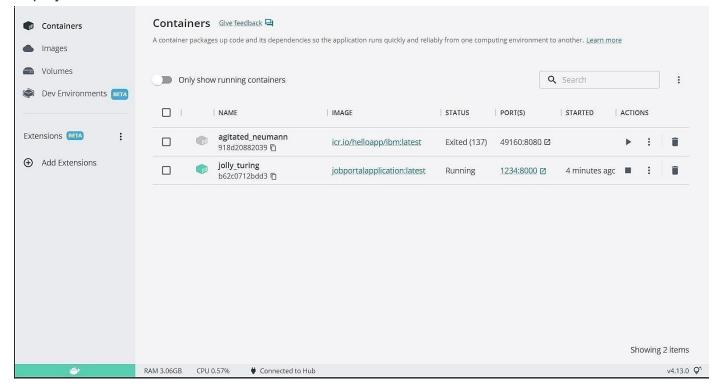
RUN cp .env.dev.sample .env

EXPOSE 8000

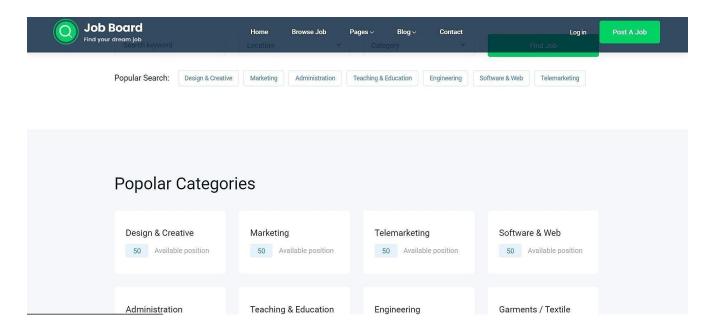
RUN chmod +x entrypoint.sh

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

Deployment:



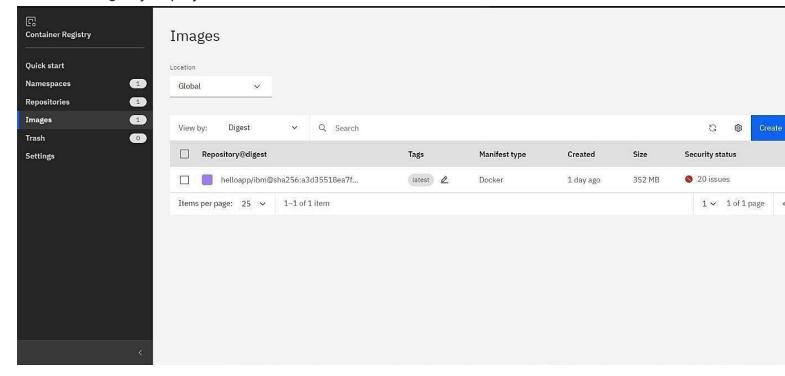
Output:



Question 3:

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

Container Registry Deployment:



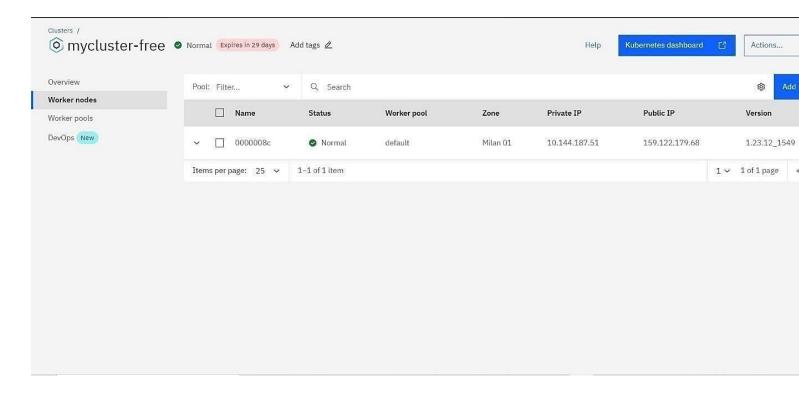
Output:



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 clusterin IBM cloud and exposingnode port:



Output:

