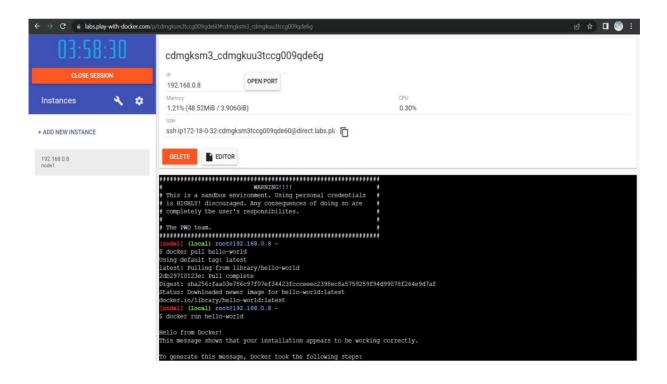
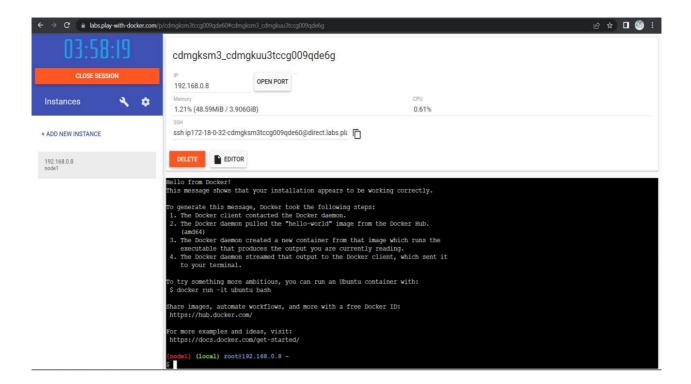
Assignment - 4

Assignment Date	05 November 2022
Student Name	G.Gunapreeth
Maximum Marks	2 Marks
Team Name	CODEBRICKS
Team ID	PNT2022TMID25850

Ouestion 1:

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





Ouestion 2:

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

• Docker file:

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY ./app/

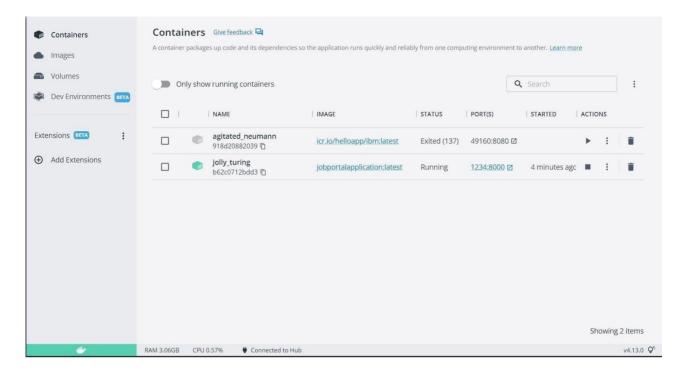
RUN cp .env.dev.sample .env

EXPOSE 8080

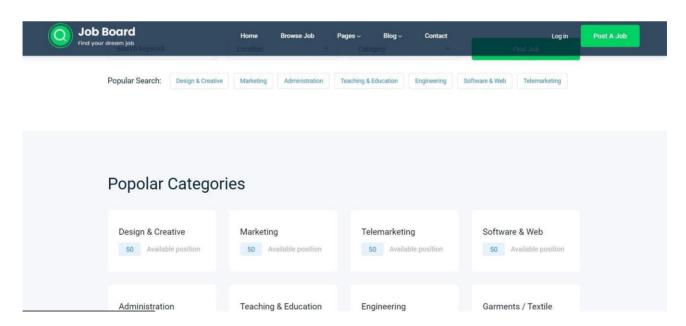
RUN chmod +x entrypoint.sh

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

• Deployment of Job portal Application



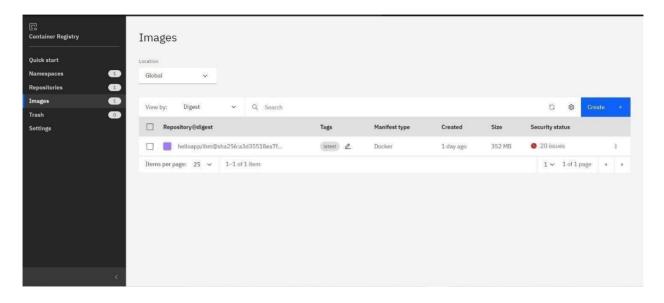
• Output:



Ouestion 3:

Create a IBM container registry and deploy hello-world app or job portal app

• Registry Deployment:



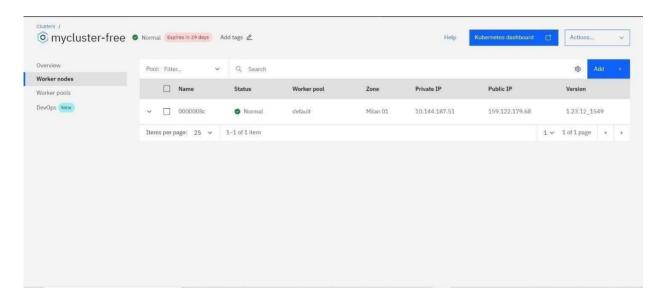
• Output:



Ouestion 4:

Create a Kubernetes cluster in IBM cloud and deploy hello world image or 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:

