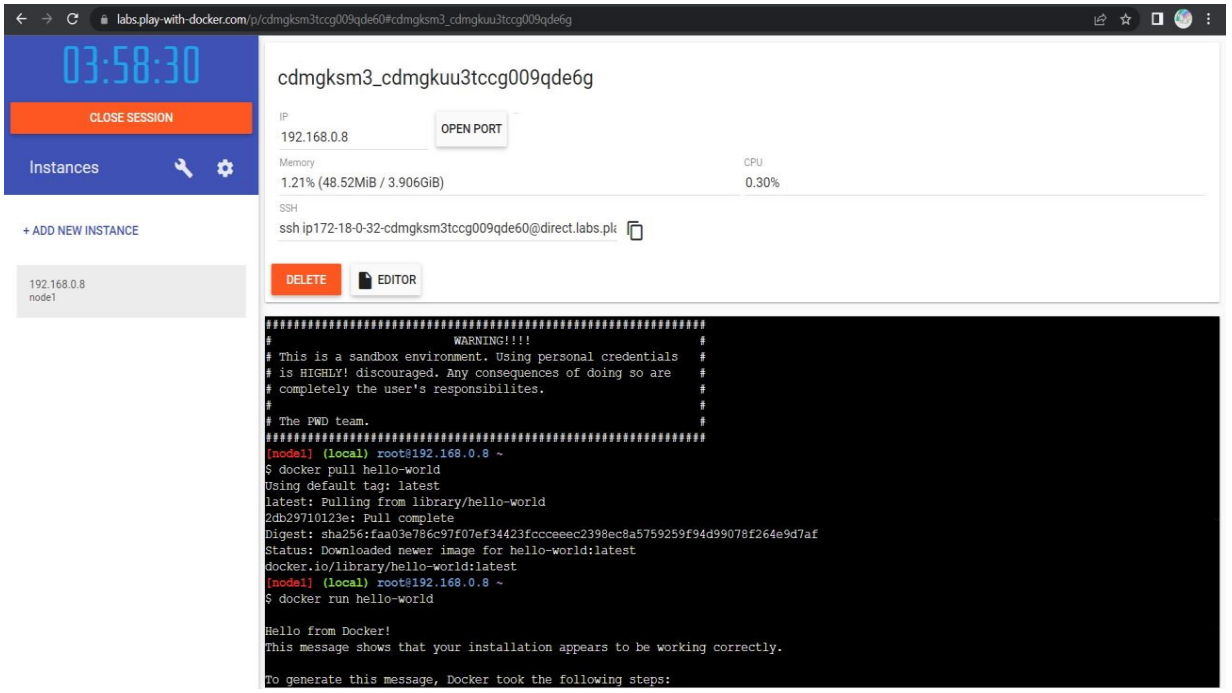
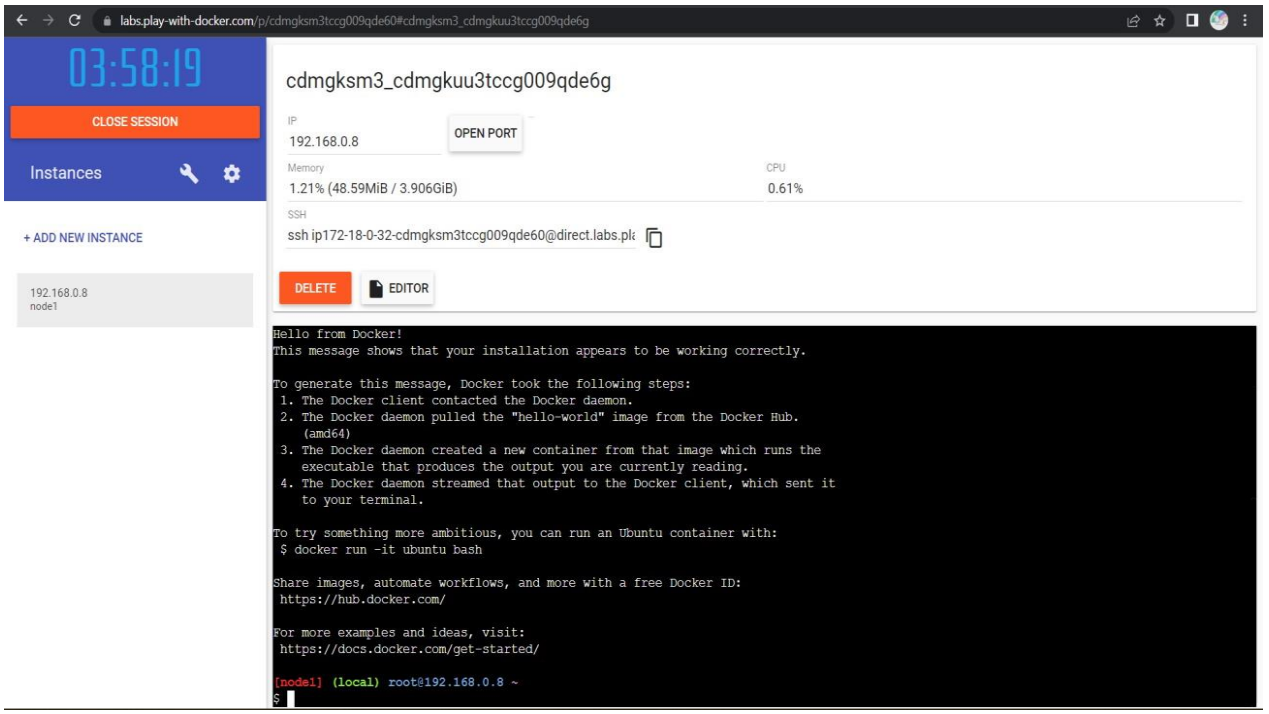
Assignment - 4

Assignment Date	05 November 2022
Student Name	NALLA NAGARAJULU
Maximum Marks	2 Marks
Team Name	CODEBRICKS
Team ID	PNT2022TMID25850

Question 1:

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





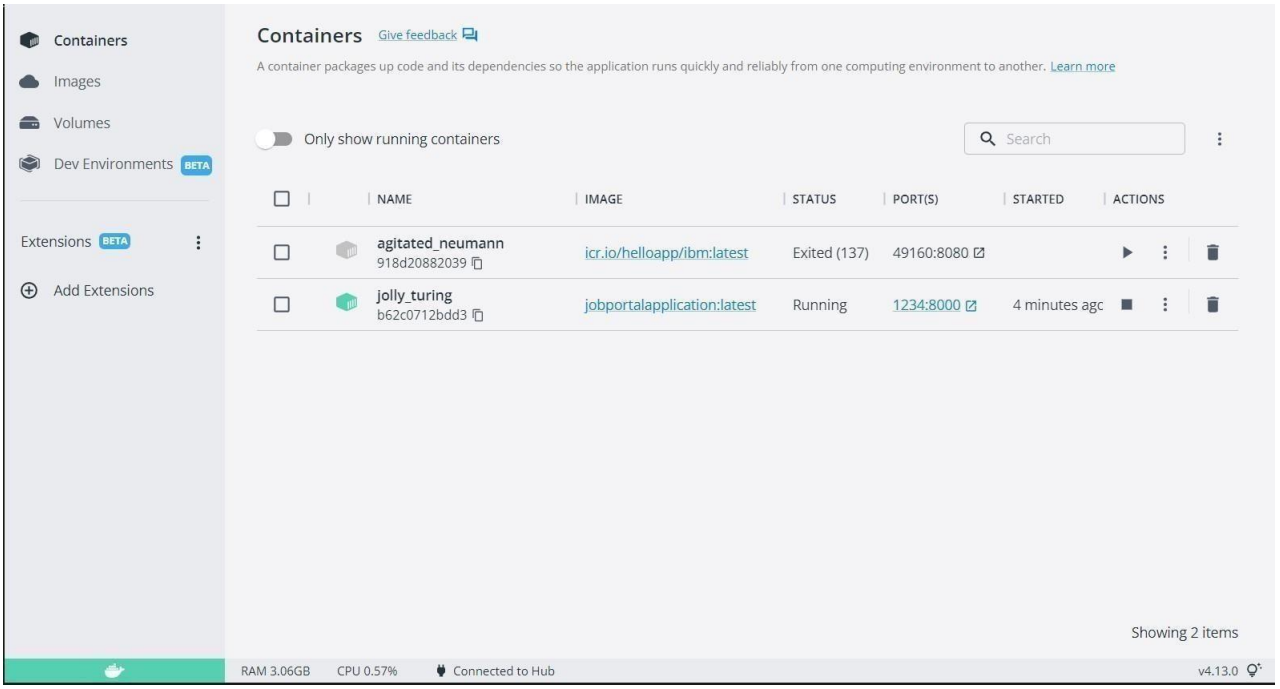
Question 2:

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

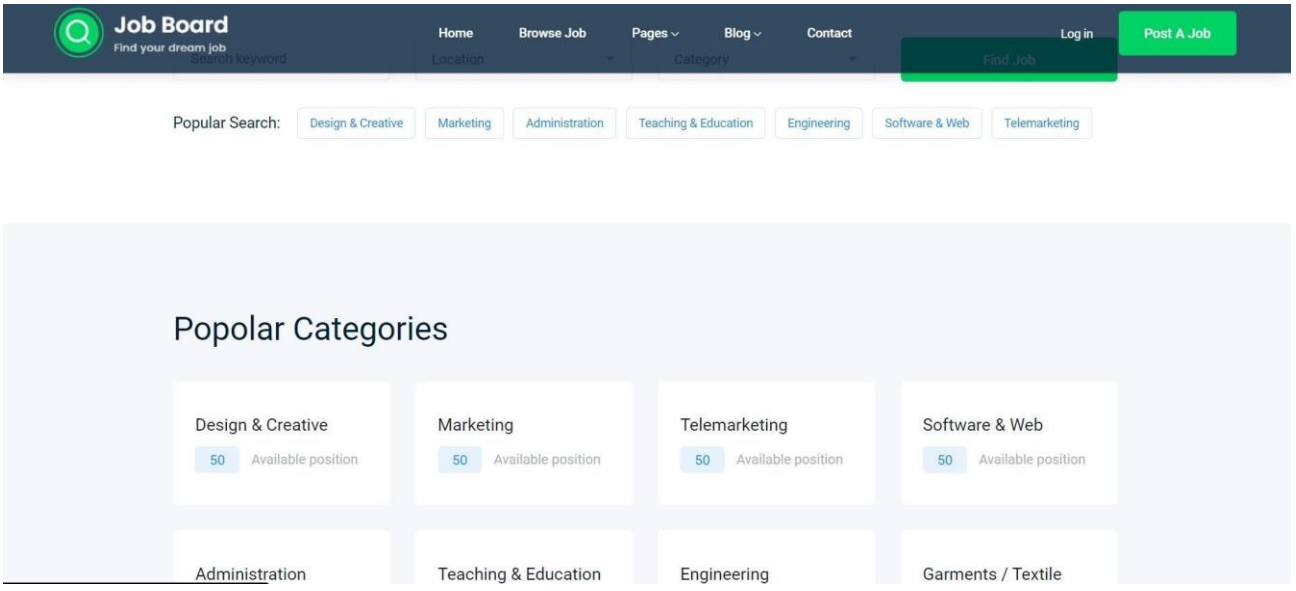
- **Docker file:**

```
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 8000

RUN chmod +x entrypoint.sh

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

- **Deployment of Job portal Application**



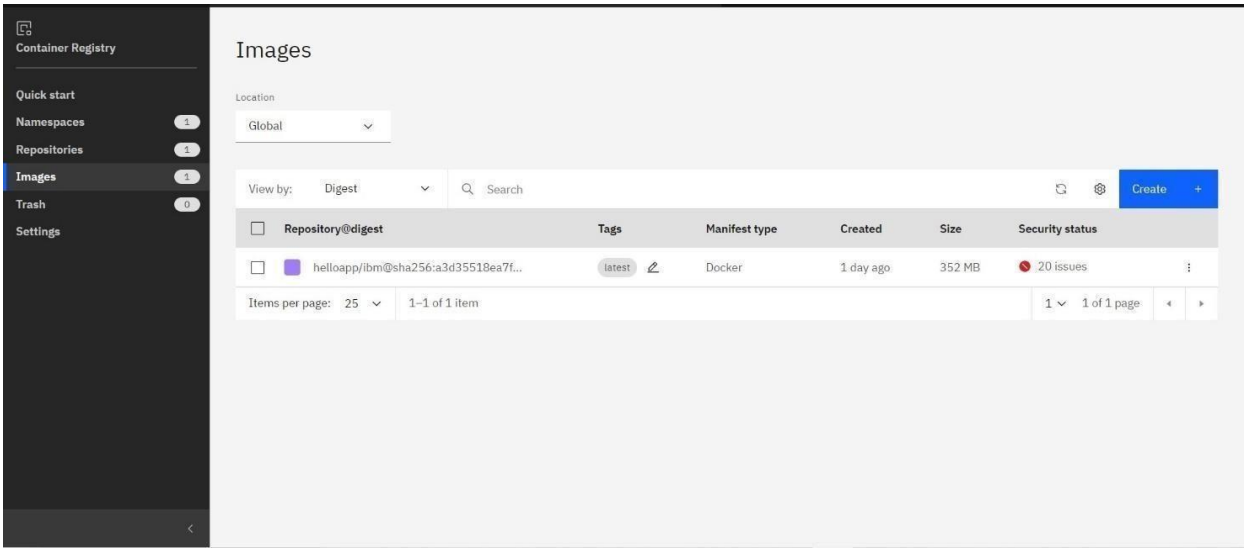
- **Output:**



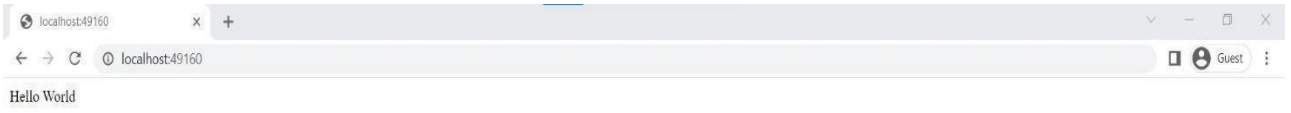
Question 3:

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

- **Registry Deployment:**



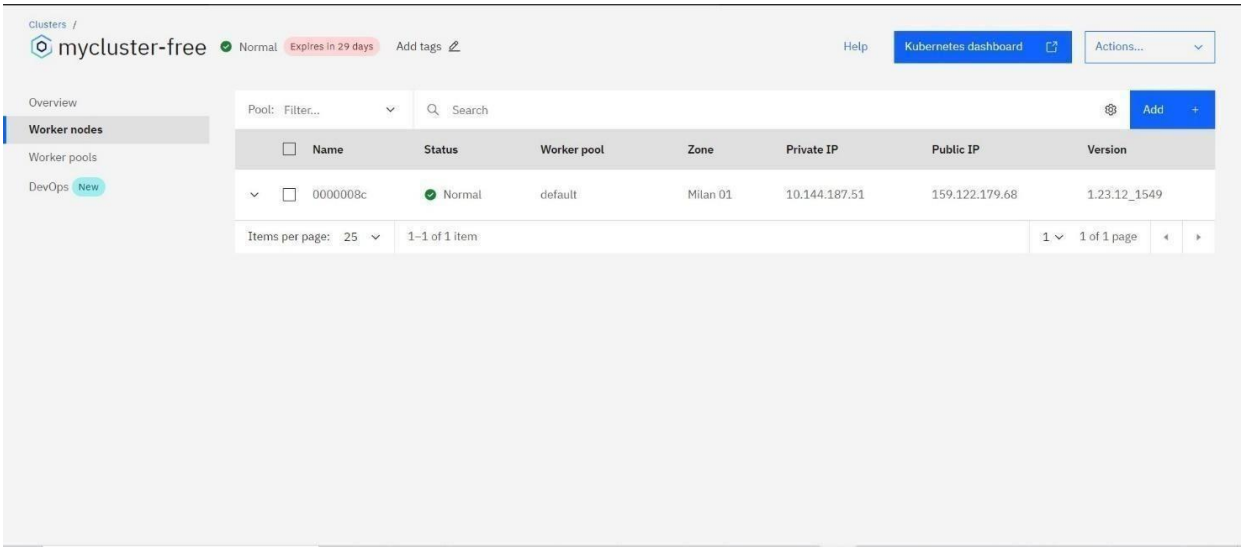
- **Output:**



Question 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:**