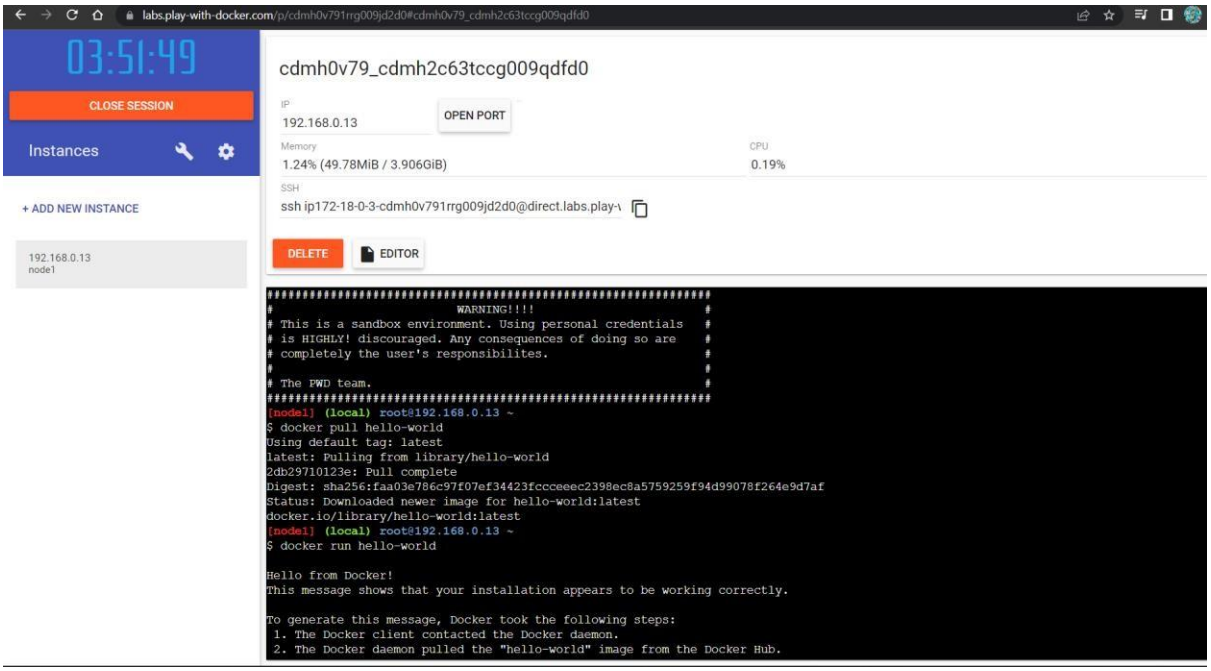
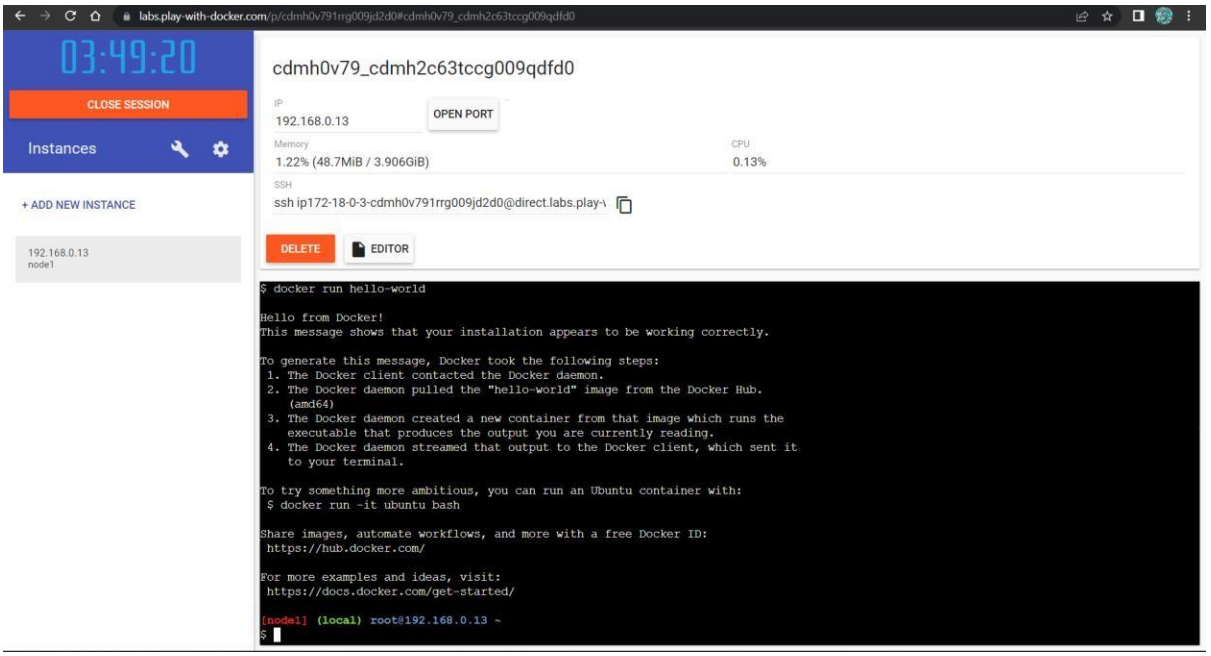
ASSIGNMENT-4

ASSIGNMENT DATE	5th NOVEMBER
STUDENT NAME	Irene Jerusha.P
TEAM ID	PNT2022PMID25781
TEAM NAME	Syntax Squids
MARKS	2 marks

Question 1:

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





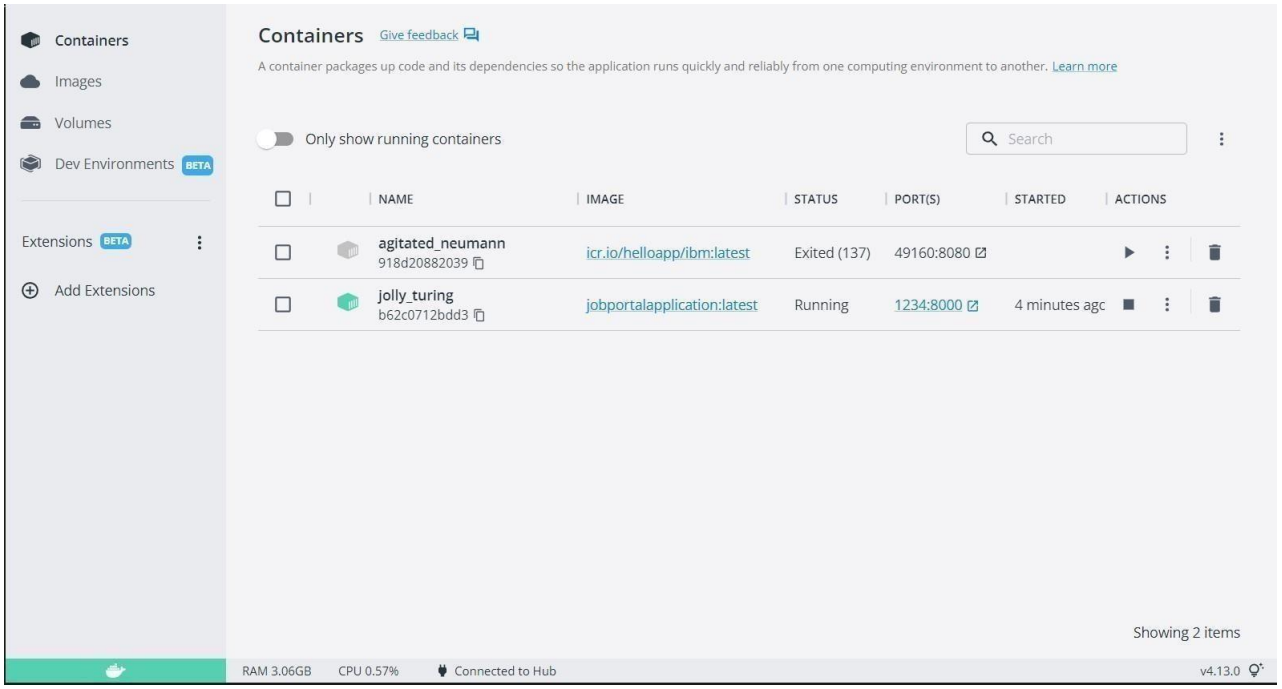
Question 2:

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

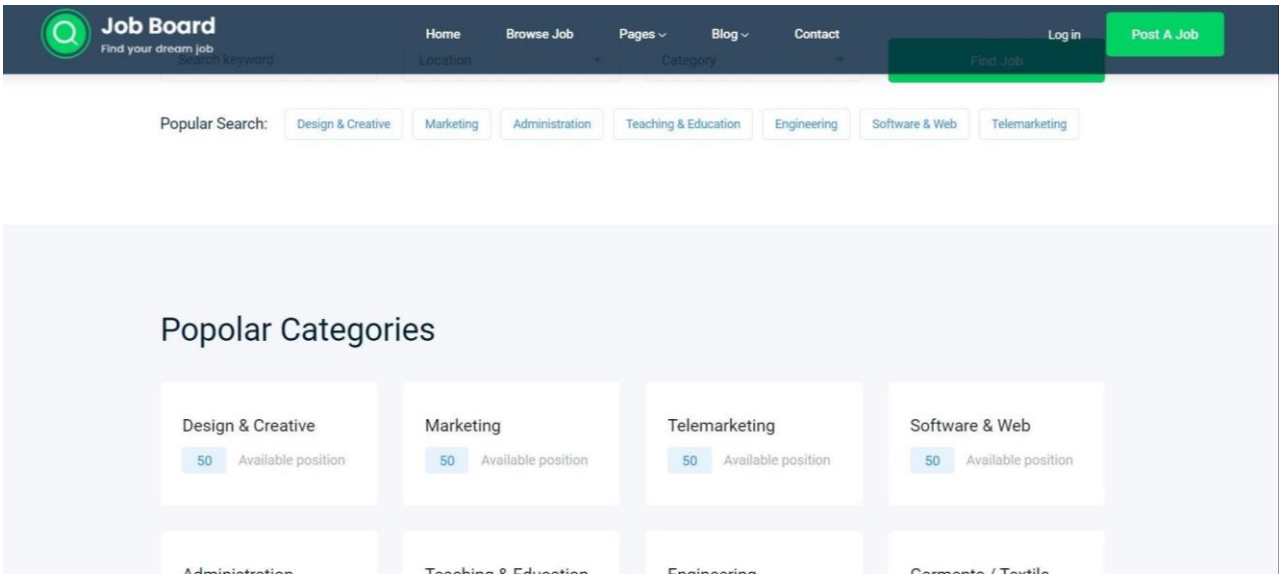
DOCKER FILE:

```
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 JOBPORTAL APPLICATION:



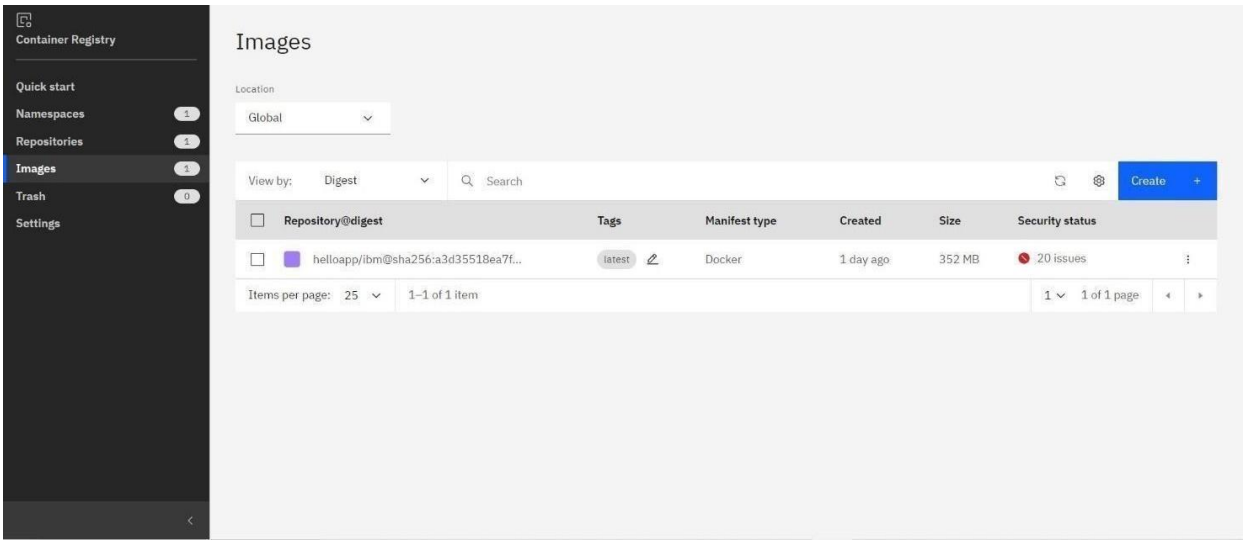
OUTPUT:



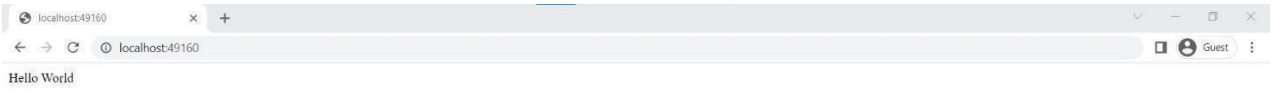
Question 3:

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

CONTAINER REGISTRY DEPLOYMENT:



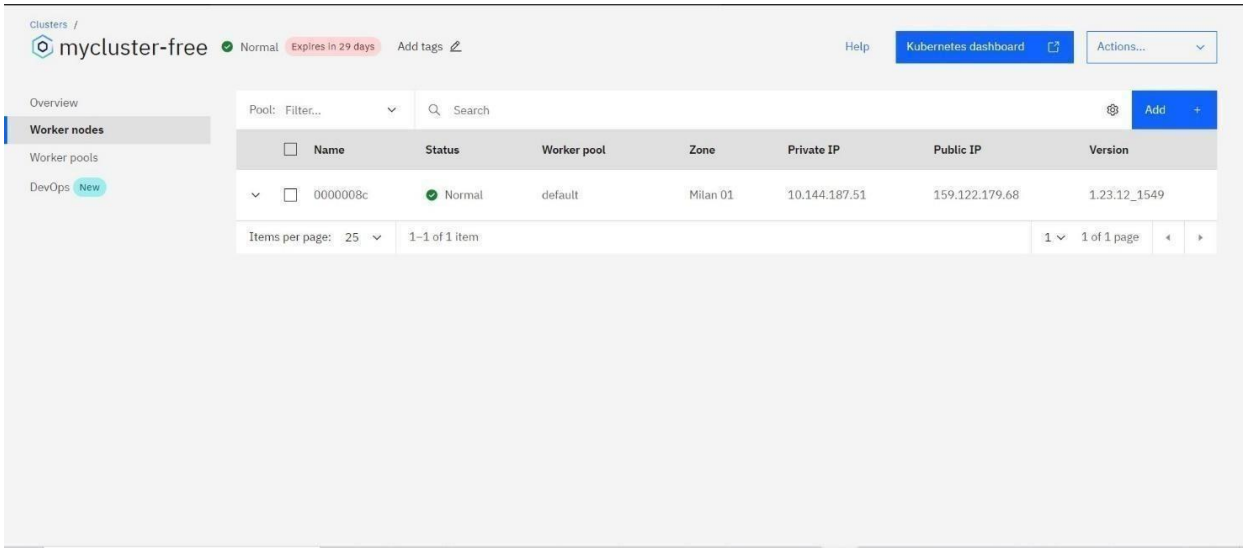
OUTPUT:



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: