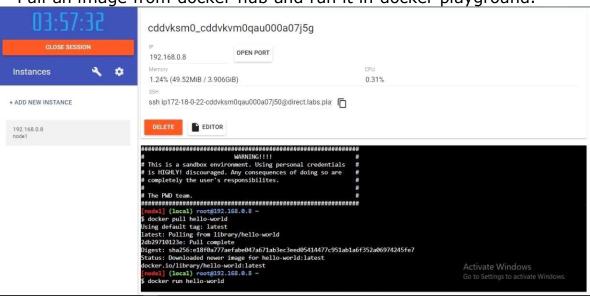
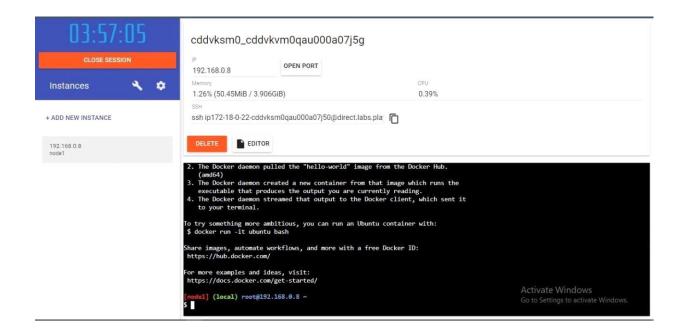
Assignment Date	11-11-2022
Student Name	MITHWIN IMMANUEL STANLEY
Student Roll Number	311019205029
Maximum Marks	2 Marks
Team ID	PNT2022TMID27406

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 desktopapplication.

DOCKERFILE:

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY ./app/

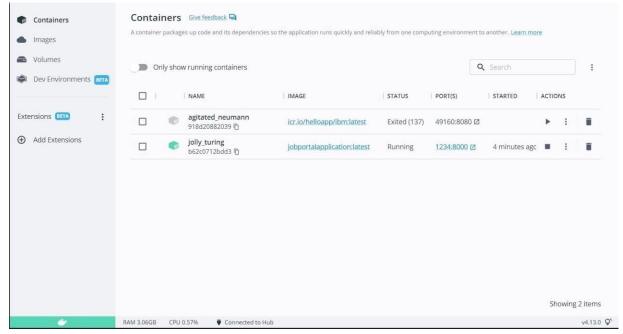
RUN cp .env.dev.sample .env

EXPOSE 8000

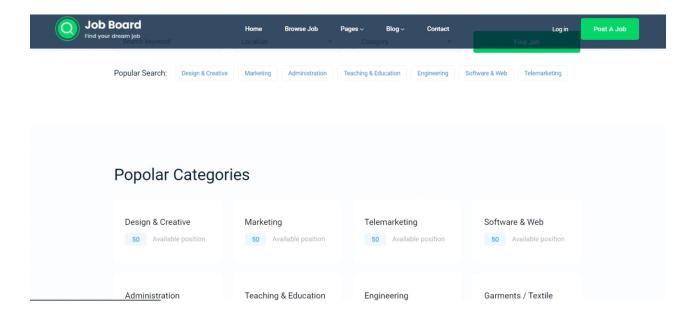
RUN chmod +x entrypoint.sh

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

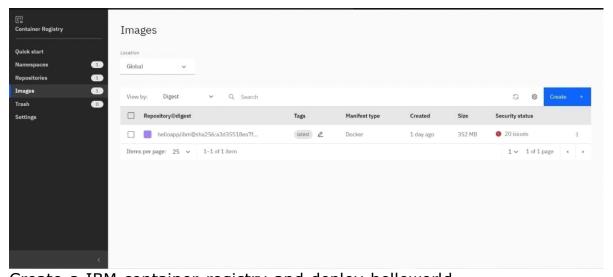
DEPLOYMENT OF JOBPORTAL APPLICATION:



OUTPUT:



Question 3:



Create a IBM container registry and deploy helloworld app or jobportapp.IBM CONTAINER REGISTRY

DEPLOYMENT:

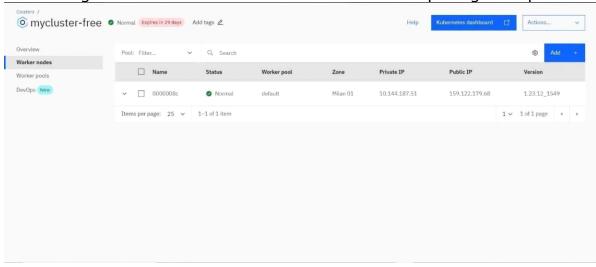
OUTPUT:



Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal imageand also expose the same app to run in nodeport.

Creating kubernetes cluster in IBM cloud and exposing nodeport:



Output:

