ASSIGNMENT 4

Team Leader : SUWETHA.S

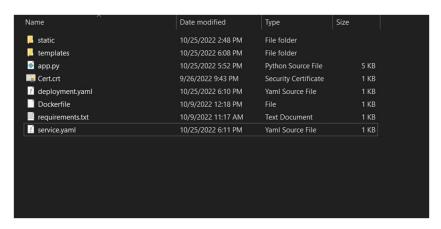
Team Member 1: MARIA MAXSON.A

Team Member 2: ADESH BARADWAJ.B

Team Member 3: CATHERINE SHIRLEY GERALD

1.Create a dockerfile for the jobportal application and deploy it in Docker desktop application.

=>Jobportal Working directory:



=>Dockerfile:

```
Dockerfile - Notepad

File Edit Format View Help

FROM python:3.6

WORKDIR /app

ADD . /app

COPY Templates /app/templates

COPY requirements.txt /app

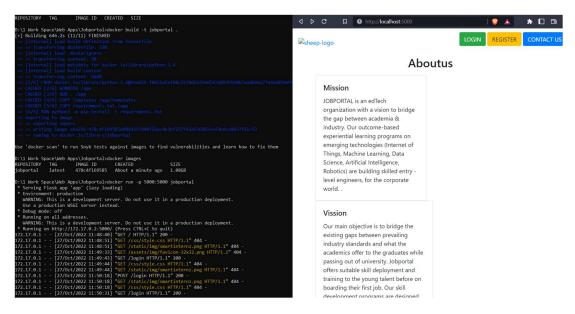
RUN python3 -m pip install -r requirements.txt

EXPOSE 5000

CMD ["python", "app.py"]
```

=>Deploy jobportal application to docker desktop:

=>running the image from docker desktop:

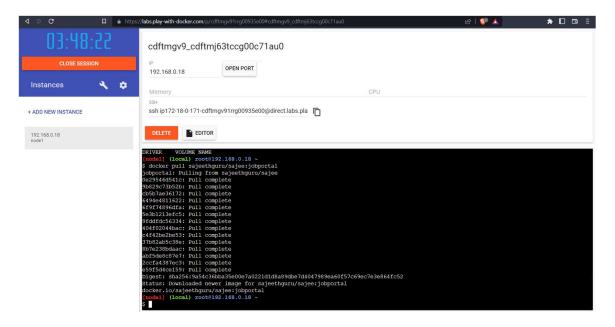


2.Pull an Image from docker hub and run it in docker playground.

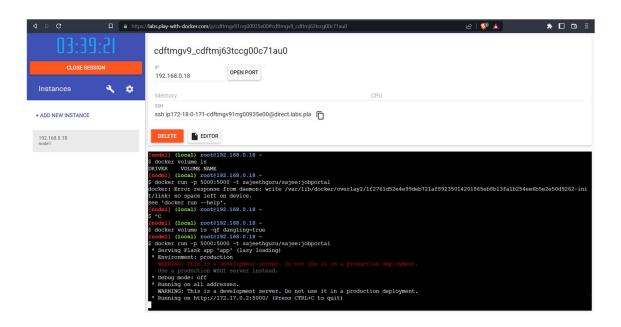
=>Pushing image to docker hub

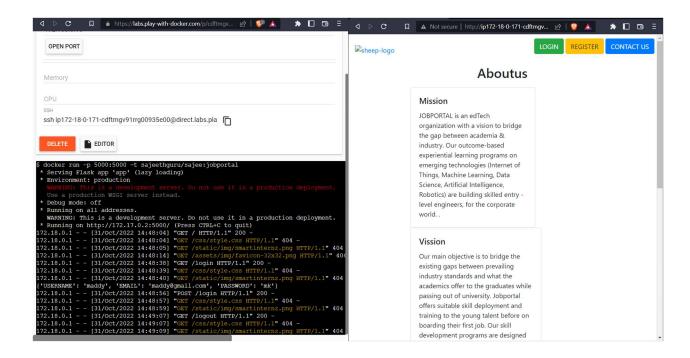


=>Pulling the jobportal image from docker hub in docker playground:



=> Running the pulled image:





- 3. Create a IBM Container Registry and deploy jobportal app:
- =>Pushing image to Container registry:

```
Dill Nork Spacelleb Apps lobportal Dimerland or region set ap-south
The region is set to 'ap-south', the registry is 'au.icr.io'.

South In Spacelleb Apps lobportal Dimerland or login longed in to 'au.icr.io'...

South In Spacelleb Apps lobportal Dimerland or image-list
Listing Sangets.

Repository

In a Digest Namespace Created Size Security status

Au.icr.io'sajeeth/loginapp latest aff272cebfdd sajeeth 3 weeks ago 435 MB Security status

Au.icr.io'sajeeth/loginapp latest aff272cebfdd sajeeth 3 weeks ago 435 MB Security status

Dill Nork Spacelleb Apps lobportal Jodocker tag jobportal au.icr.io'sajeeth/jobportal

Dill Nork Spacelleb Apps lobportal Jodocker push au.icr.io/sajeeth/jobportal

Dill Nork Spacelleb
```

4.Create a Kubernetes cluster in IBM cloud and deploy jobportal image and also expose the same app to run in nodeportal:

=> deploying and exposing jobportal image into kubernetes cluster:



=>Running the app in nodeport:

