Assignment-4

PLASMA DONOR APPLICATION

Team ID: PNT2022TMID16634

Ouestions:

- 1. Pull an Image from docker hub and run it in docker playground.
- 2. Create a docker file for the jobportal application and deploy it in Docker desktop application
- 3. Create a docker file for the jobportal application and deploy it in Docker desktop application.
- 4. Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal imageand also expose the same app to run in node port.
- 1. Pull an Image from docker hub and run it in docker playground.

```
1] (local) root@192.168.0.8
 docker run -dp 80:80 docker/getting-started:pwd
Unable to find image 'docker/getting-started:pwd' locally
pwd: Pulling from docker/getting-started
89d9c30c1d48: Pull complete
24f1c4f0b2f4: Pull complete
16542569a10d: Pull complete
08396939143d: Pull complete
Digest: sha256:9156d395e7e41498d5348e95513d61fc7929db720393448306c5d7263d7f2696
Status: Downloaded newer image for docker/getting-started:pwd
afe9c7b8d51769ca33d7c846644aad1ceefa4372fde68b8c18f4b27503f0a756
     1] (local) root@192.168.0.8
 sudo docker images
REPOSITORY
                        TAG
                                   IMAGE ID
                                                  CREATED
                                                                SIZE
                                   45328bdf05eb 13 months ago
                        latest
                                                                25.8MB
   del] (local) root@192.168.0.8 ~
```

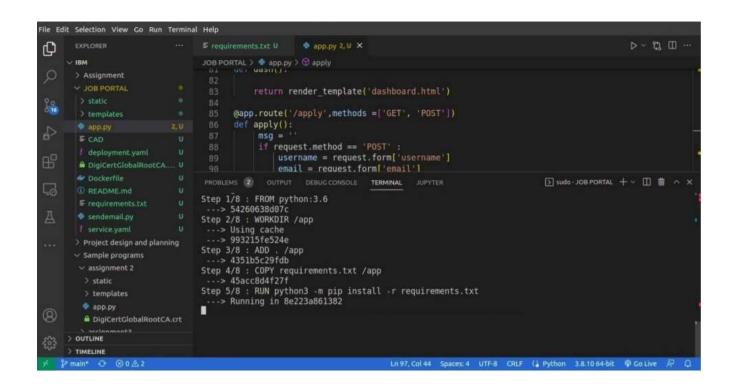
Plasma Donor App Home

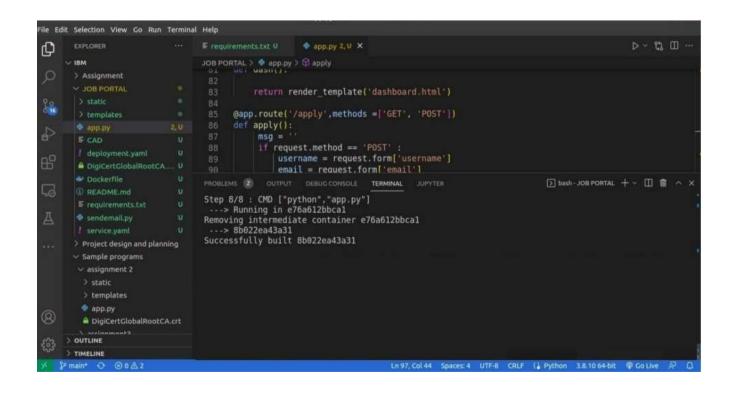


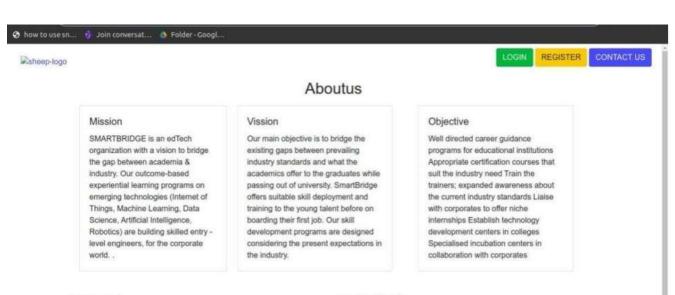
thanks for register.

2. Create a docker file for the jobportal application and deploy it in Docker desktop application.

Dockerfile:
FROM
python:3.6WORK
DIR /appADD.
/app
COPYrequirements.txt/app
RUN python3 -m pip install -r
requirements.txtRUNpython3
-m pip install libm-db
EXPOSE5000
CMD["python","app.py"]





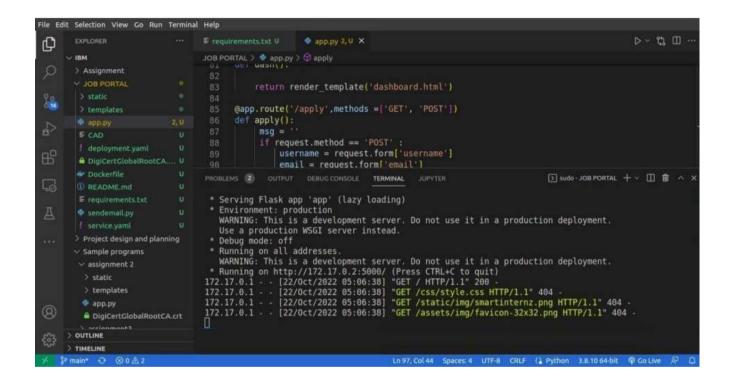


JobPortal

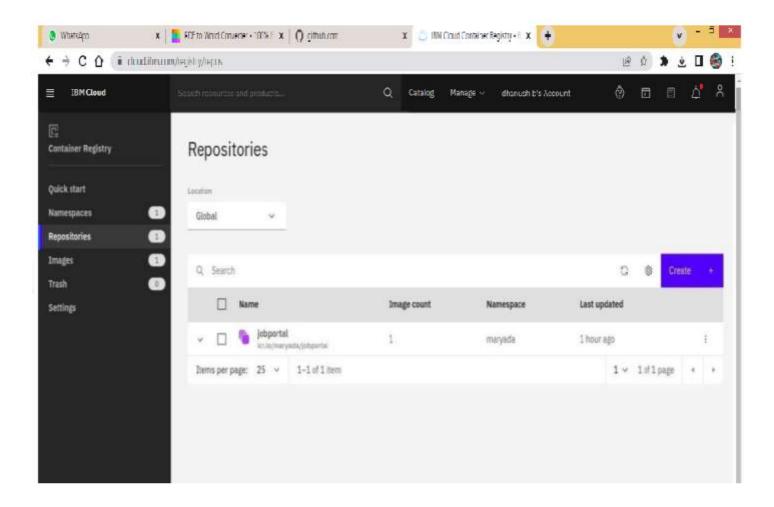
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3. Create a IBM container registry and deploy hello world app or job portal app.



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.

