Assignment-4

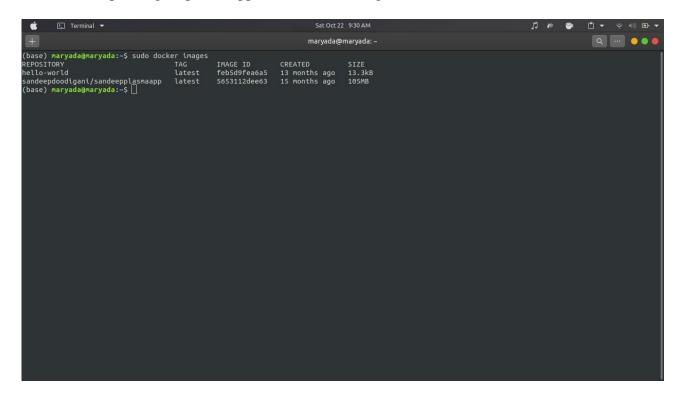
Plasma Donor Application

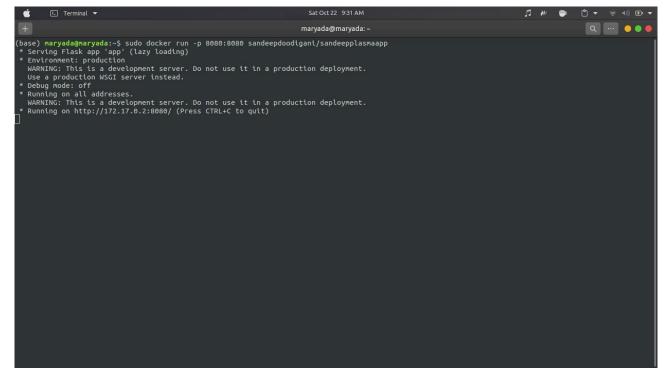
Team ID: PNT2022TMID44491

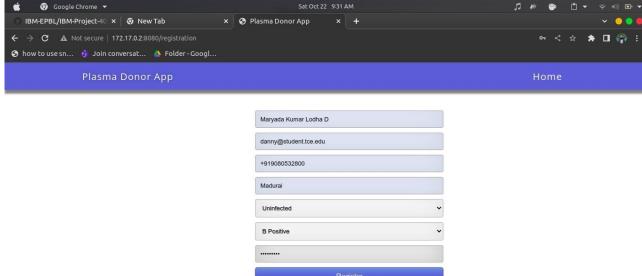
Team Leader : Vimalraj T Team member : Balachandru S Team member : Gokulakannan N Team member : Nandhakumar P

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

Pulled sandeepdoodigani/plasmaapplication and running in docker:







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

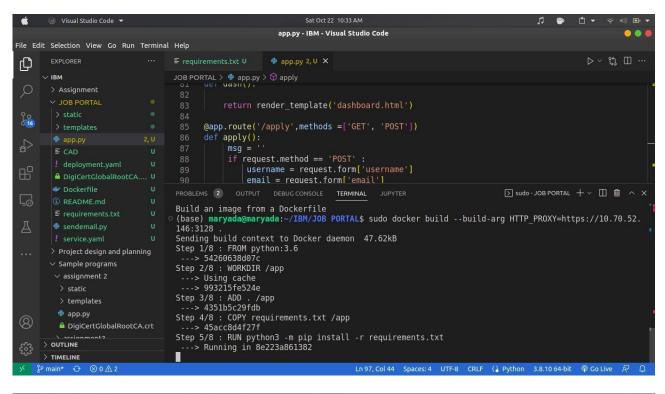
FROM python: 3.6 WORKDIR /app ADD . /app COPY requirements.txt /app RUN python3 -m pip install -r requirements.txt

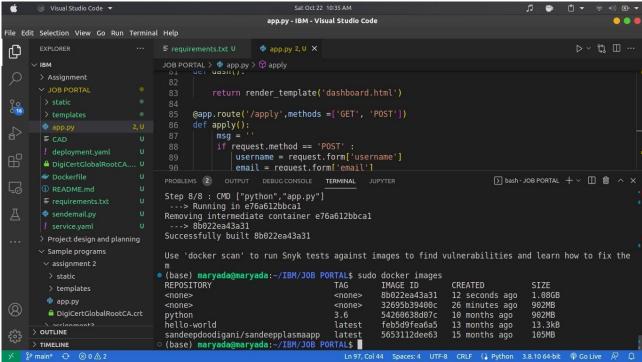
RUN python3 -m pip install ibm_db

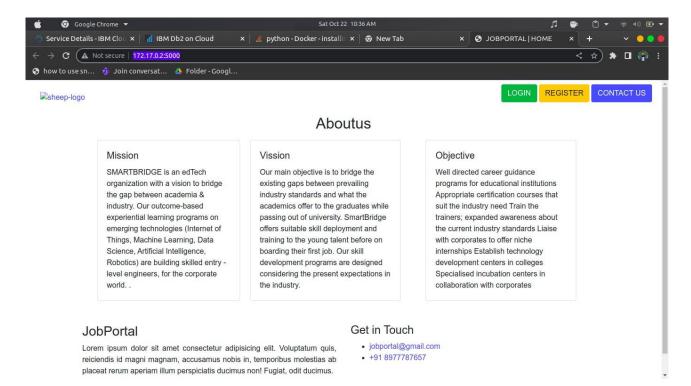
EXPOSE 5000

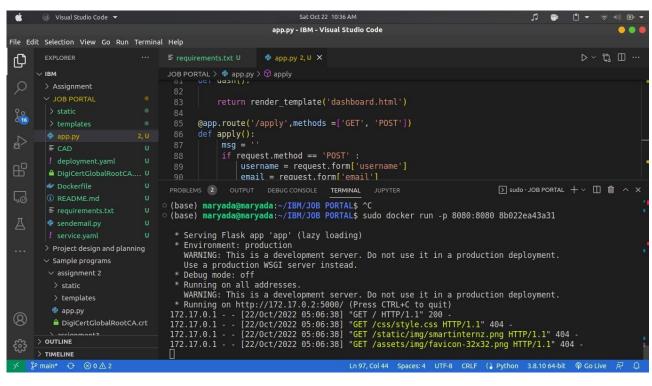
Dockerfile:

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

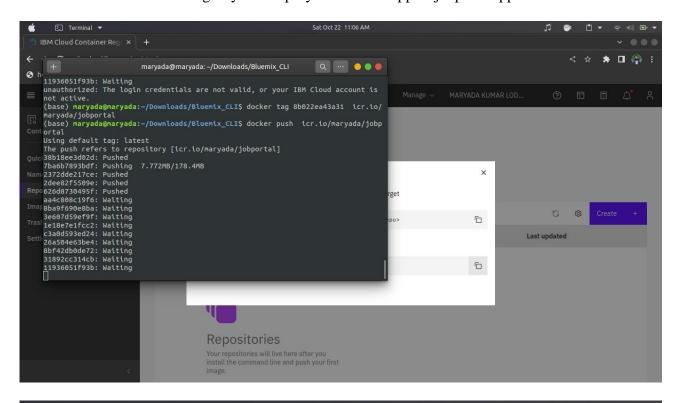


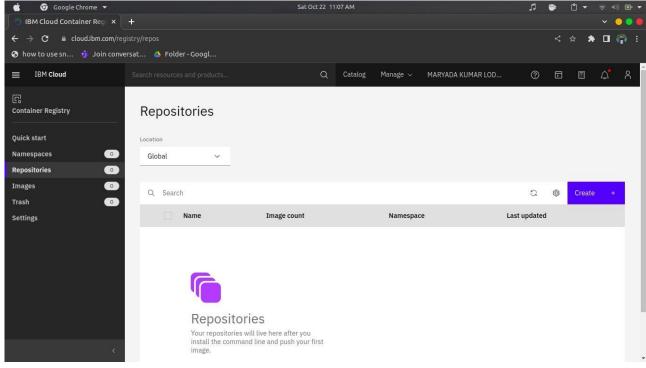


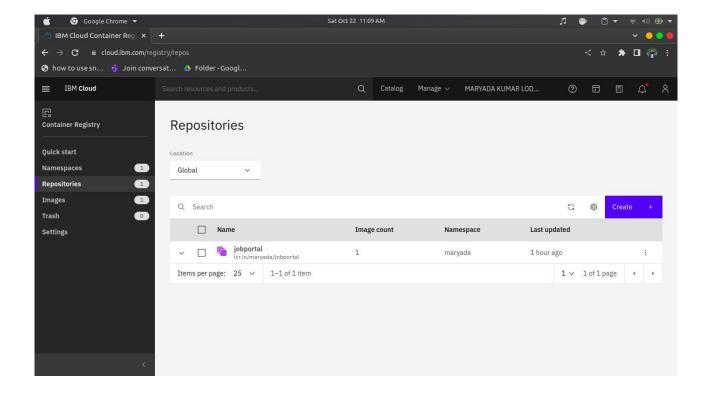




3. Create a IBM container registry and deploy helloworld app or jobportalapp.







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

