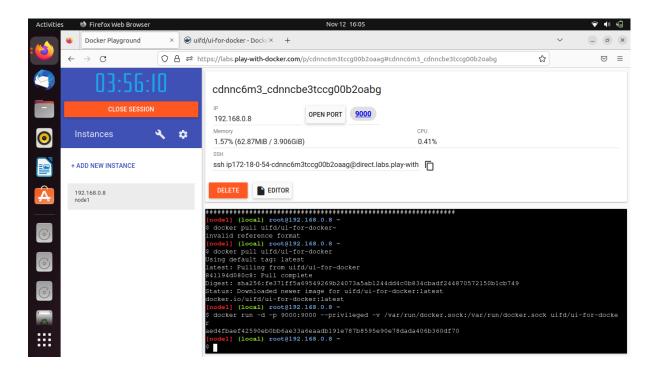
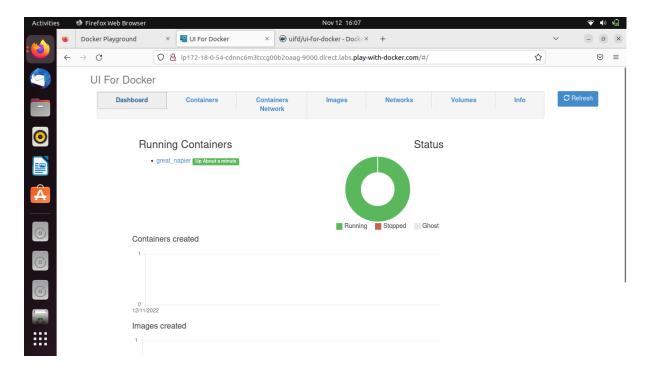
ASSIGNMENT – 4

Student name	Santhosh S
Student Roll number	311519104051
Student team ID	PNT2022TMID27815

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.

Dockerfile:

FROM python:3.6

WORKDIR /app

ADD . /app

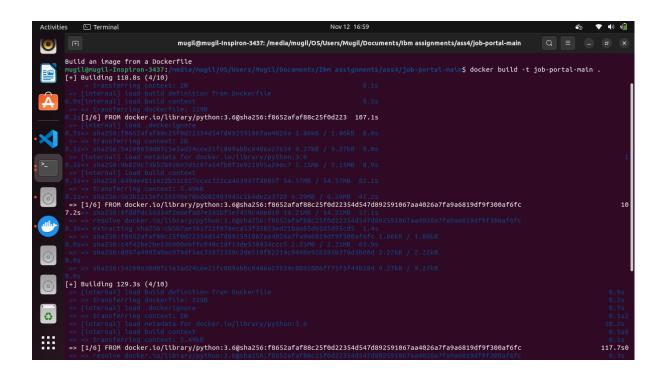
COPY requirements.txt /app

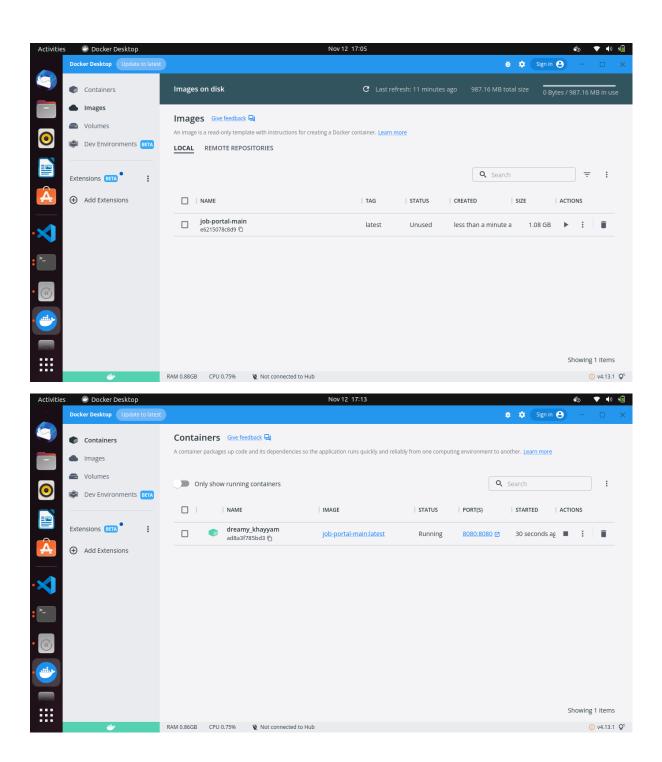
RUN python3 -m pip install -r requirements.txt

RUN python3 -m pip install ibm_db

EXPOSE 5000

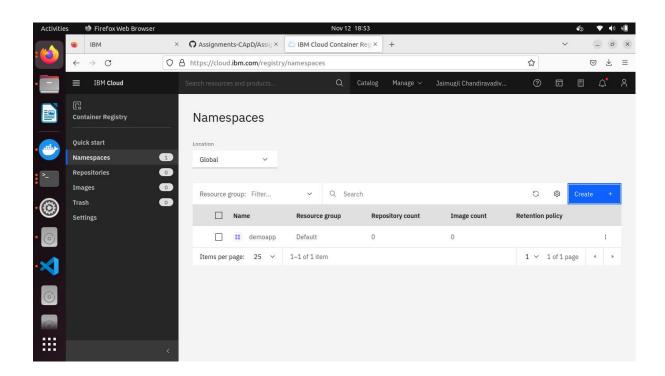
CMD ["python", "app.py"]

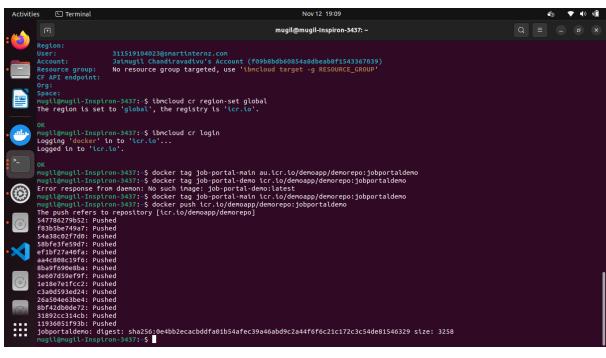


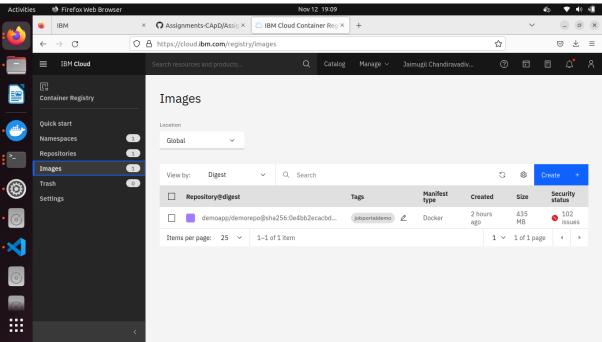


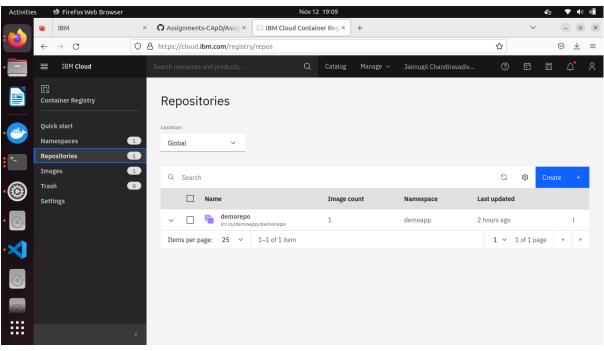
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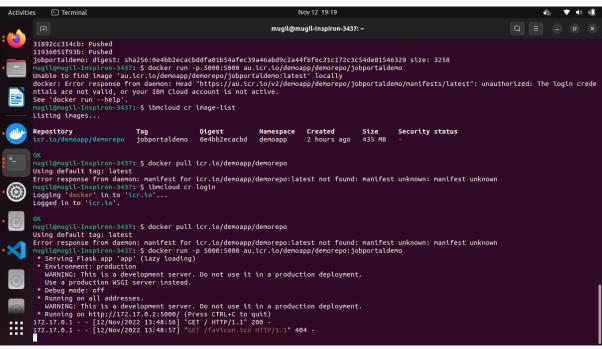
3. Create a IBM container registry and deploy helloworld app or jobportal app.

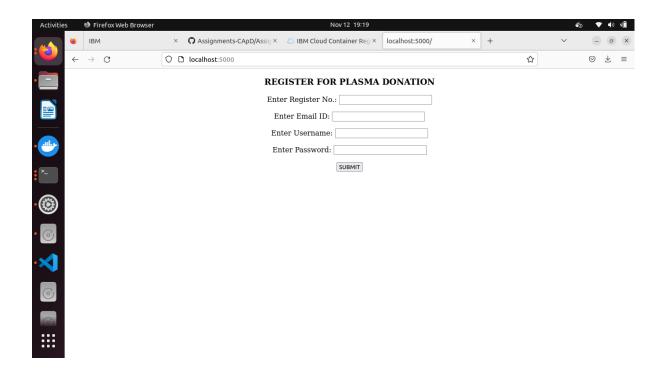




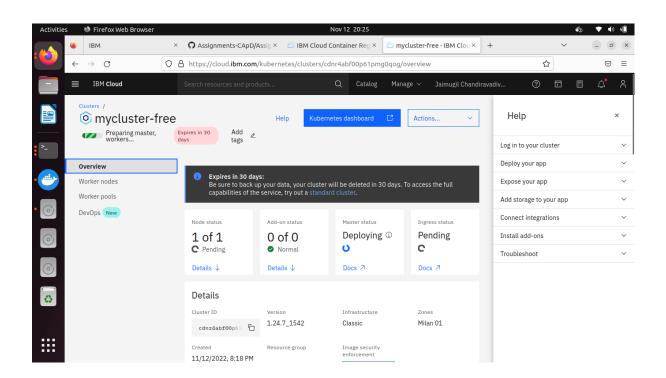


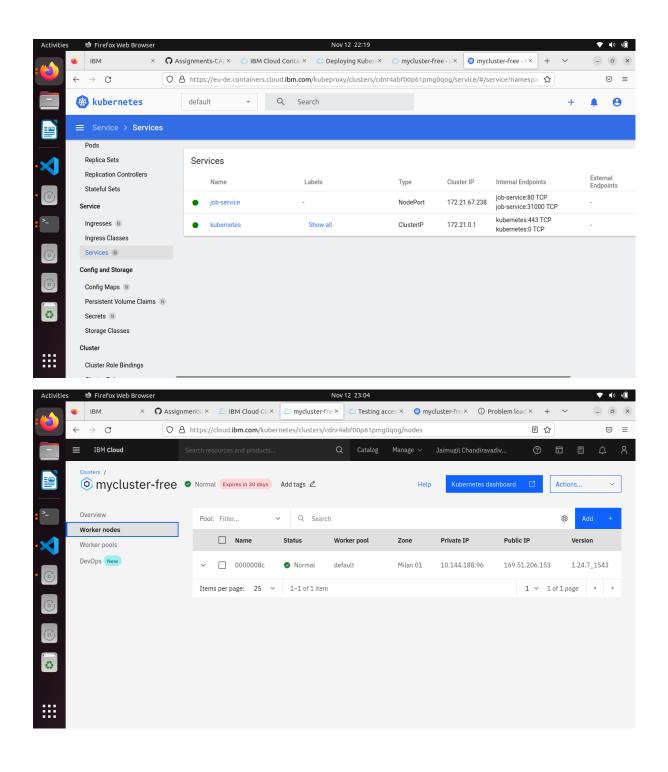


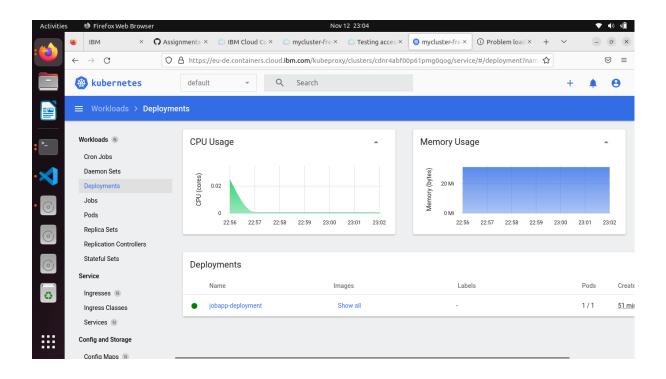




4.Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.







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