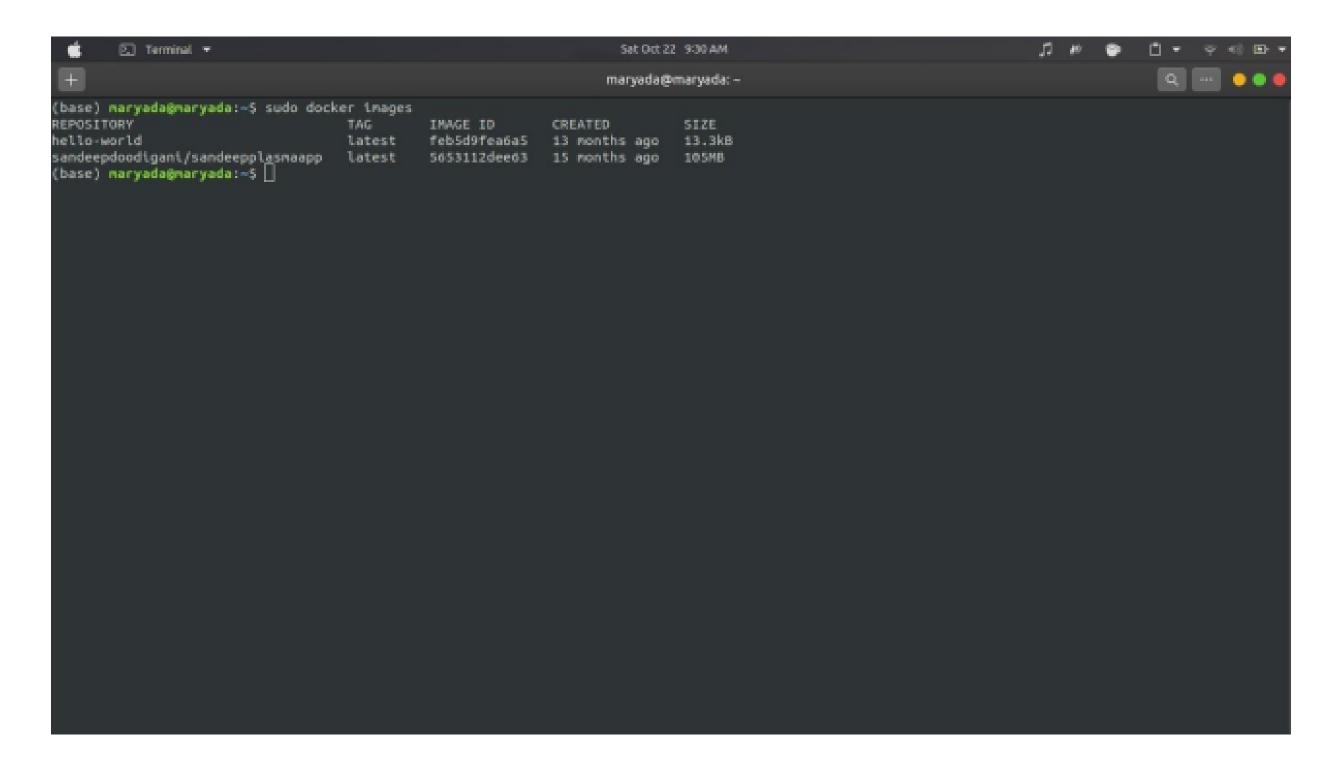
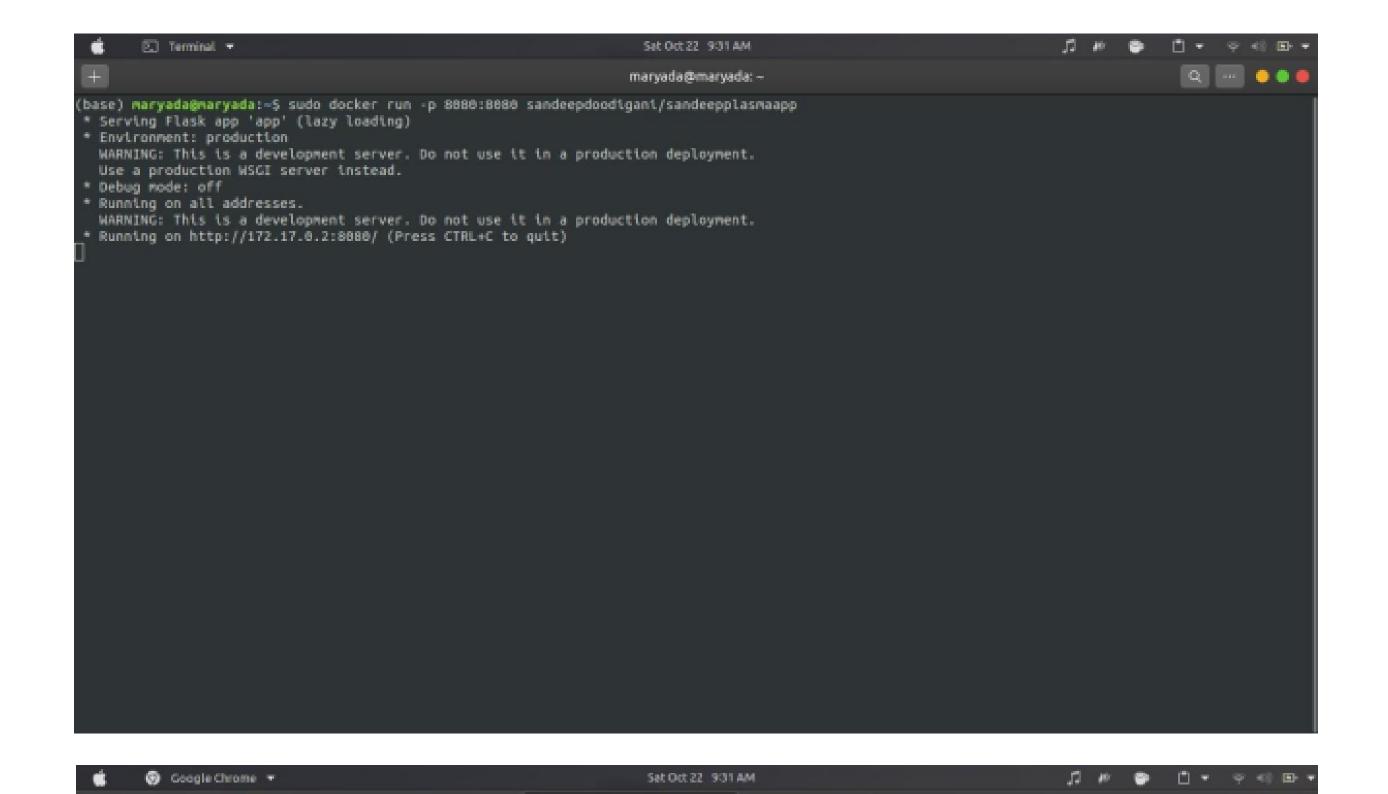
ASSIGNMENT-4

Student Name	Jeevitha P
Student Roll Number	6113191031039
Maximum Marks	

1.Pull an Image from docker hub and run it in docker playground. Pulled sandeepdoodigani/plasmaapplication and running in docker:





x 🐶 Plasma Donor App

IBM-EPBL/IBM-Project-I□ × 🥱 New Tab

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Plasma Donor App



Home

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

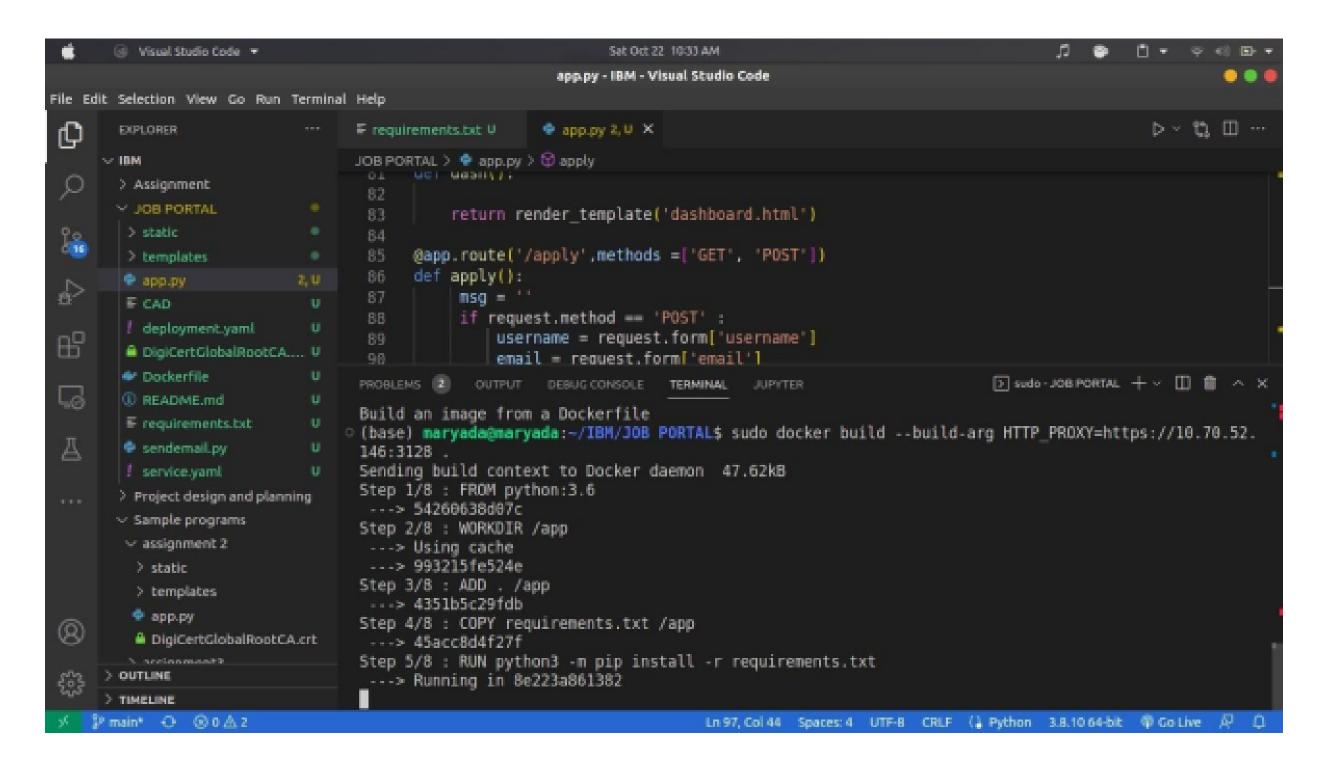
COPY requirements.txt /app

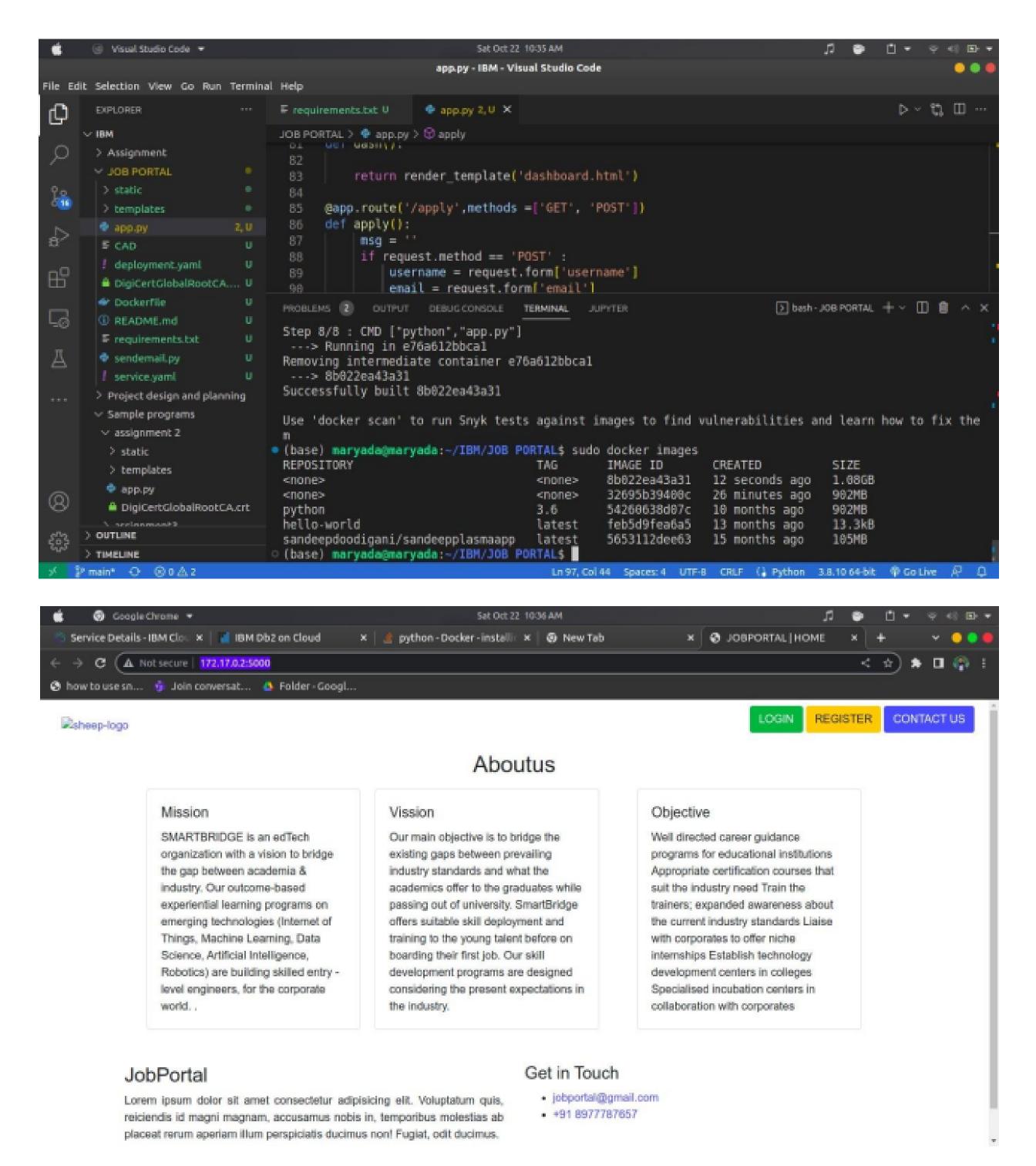
RUN python3 -m pip install -r requirements.txt

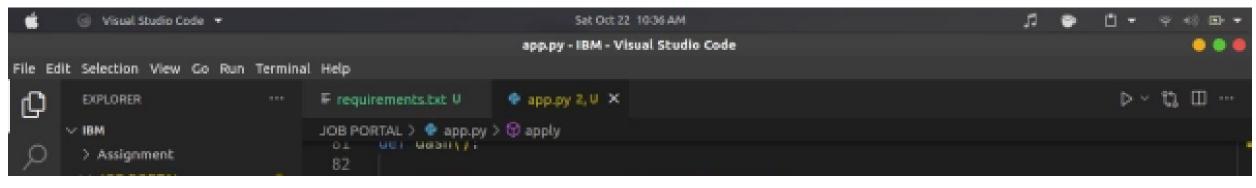
RUN python3 -m pip install ibm_db

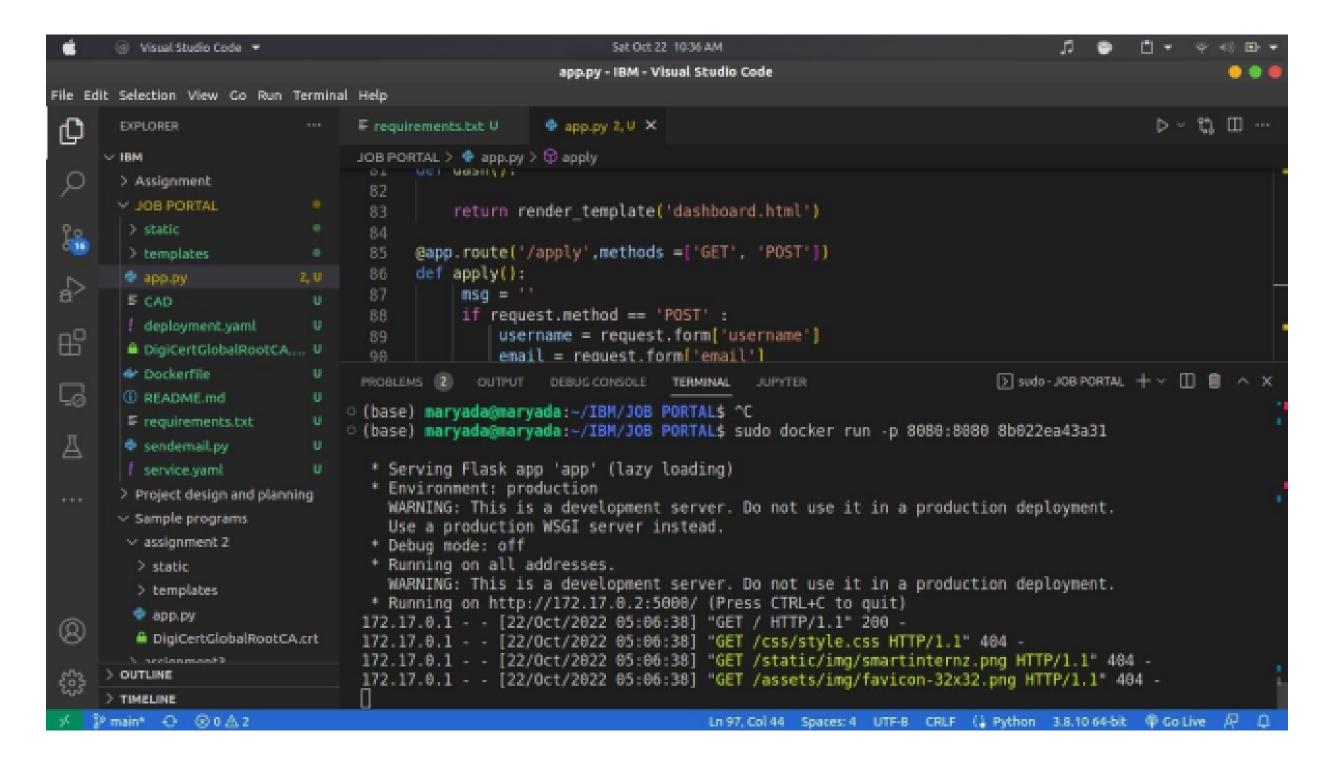
EXPOSE 5000

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

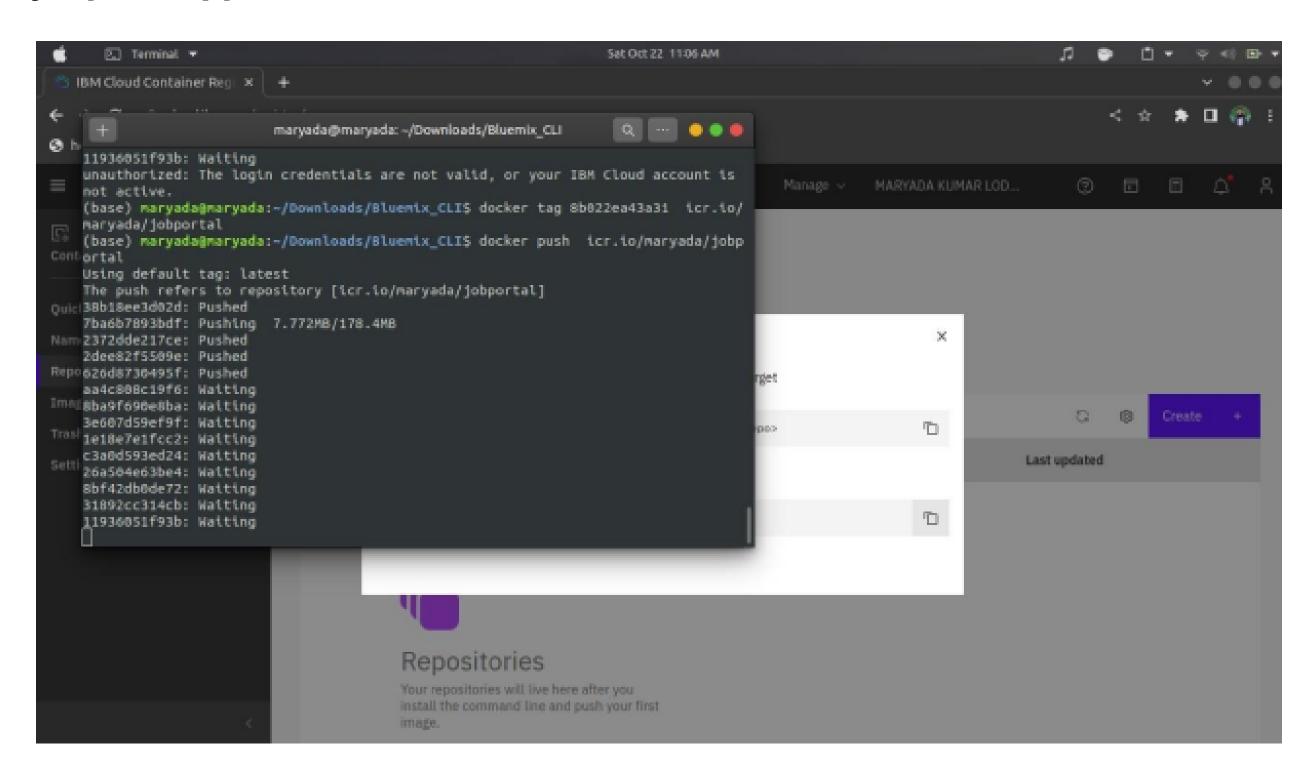


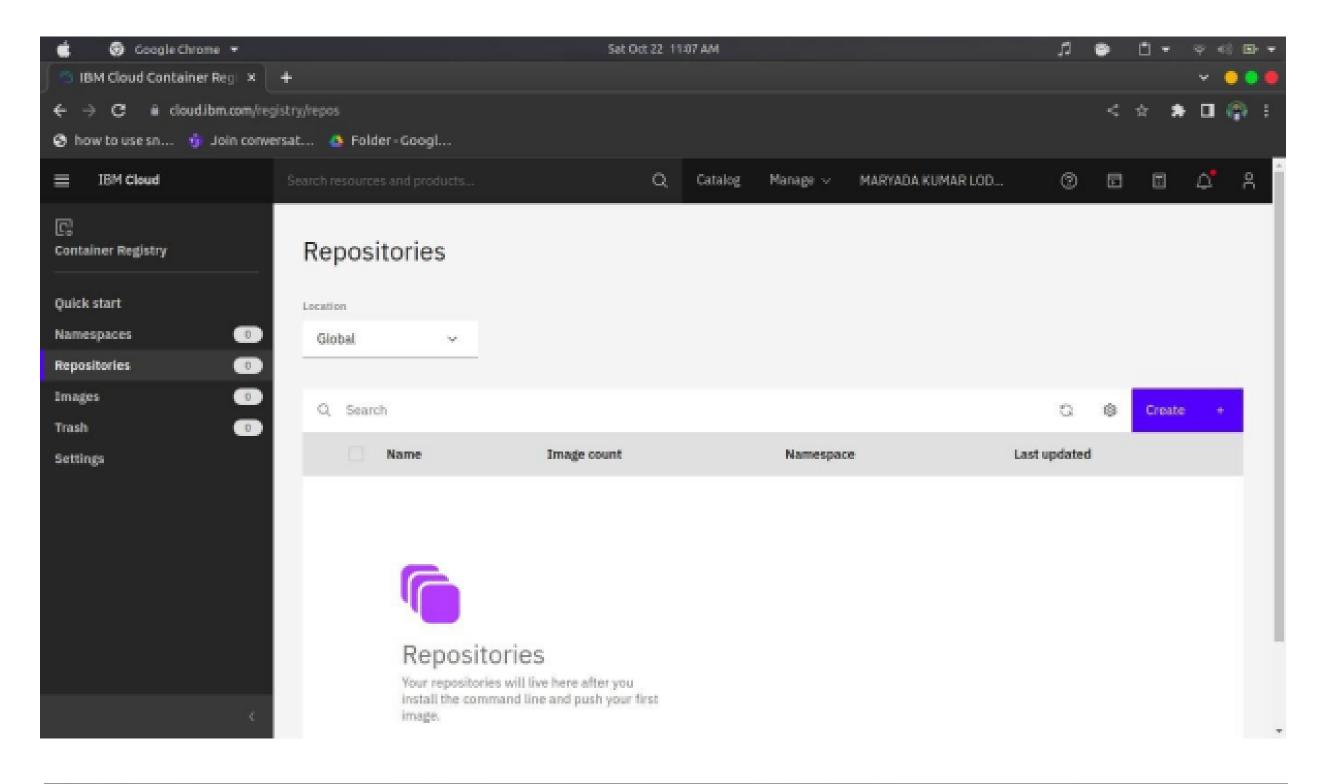


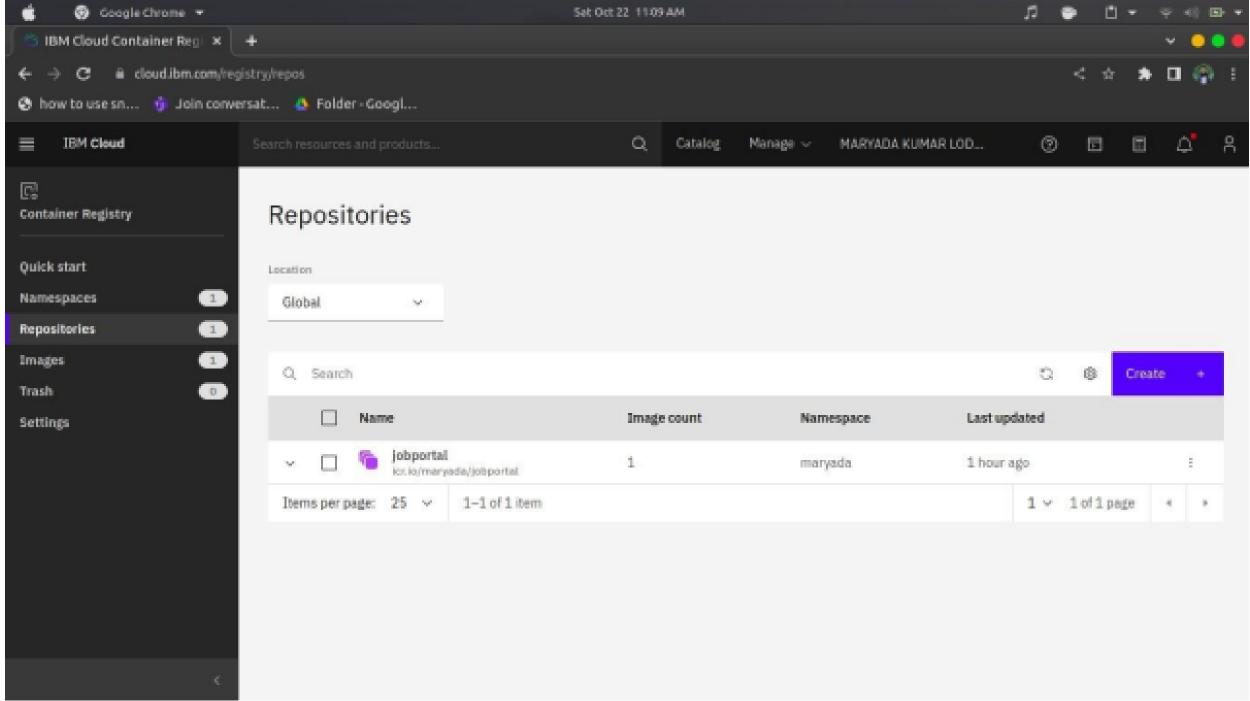




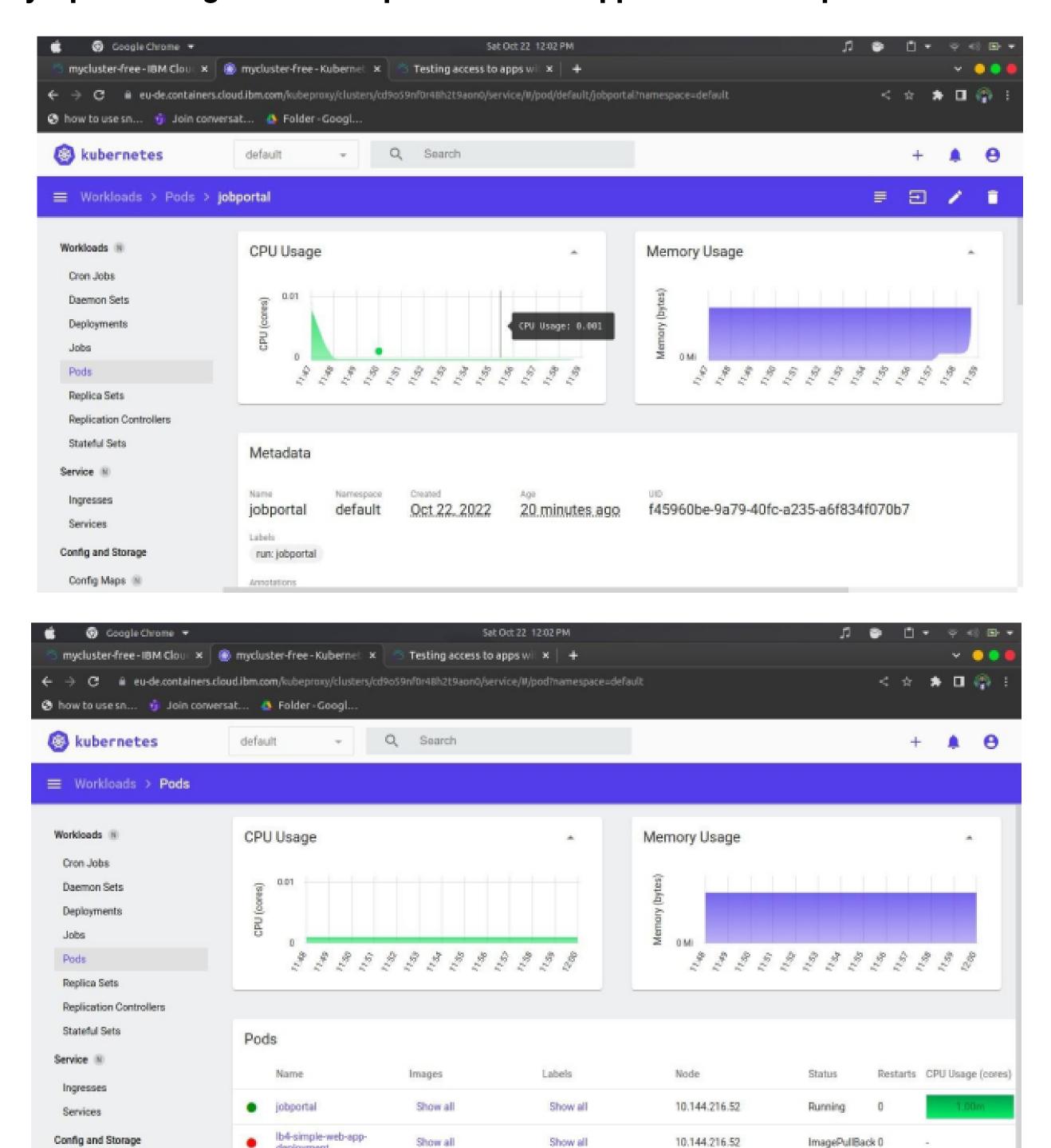
3. Create a IBM container registry and deploy helloworld app or jobportalapp.







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.



Config Maps (8)