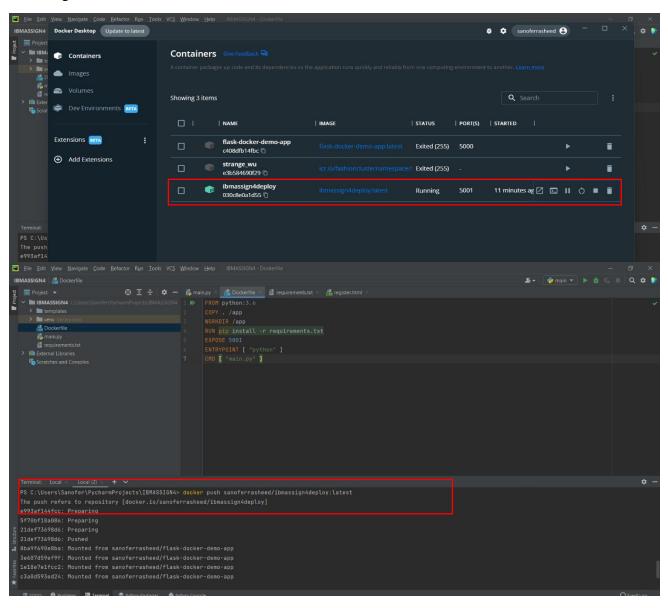
ASSIGNMENT 4

CLOUD APPLICATION DEVELOPMENT

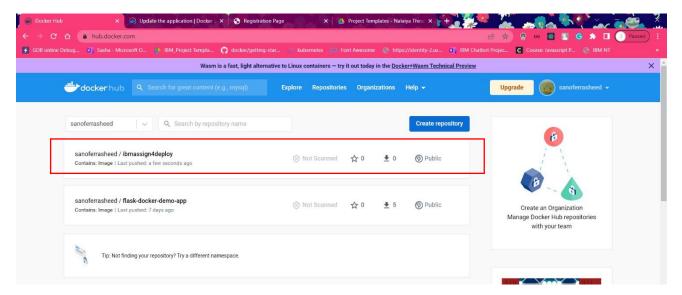
Student Name	Varun P
Team Id	PNT2022TMID38912
Maximum Marks	2 Marks

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

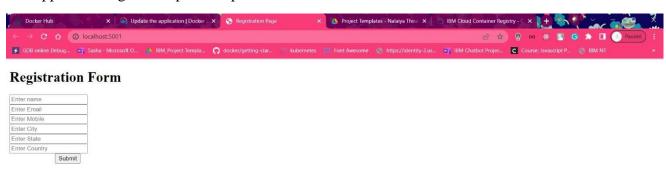
The image is built.



Here image name is ibmassign4deploy. Thus it is pushed in docker hub.



The app is running at the specified port.





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

Dockerfile:

```
FROM python:3.6

COPY . /app

WORKDIR /app

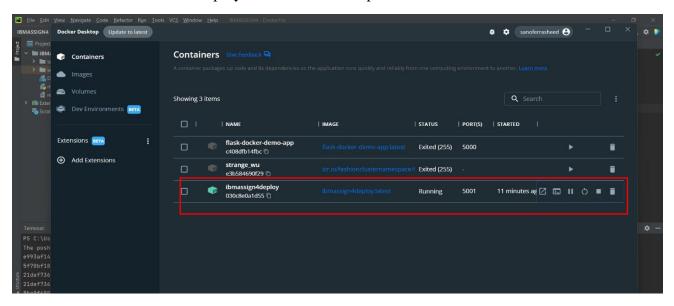
RUN pip install -r requirements.txt

EXPOSE 5001

ENTRYPOINT [ "python" ]

CMD [ "main.py" ]
```

Thus docker file created and deployed in docker desktop.

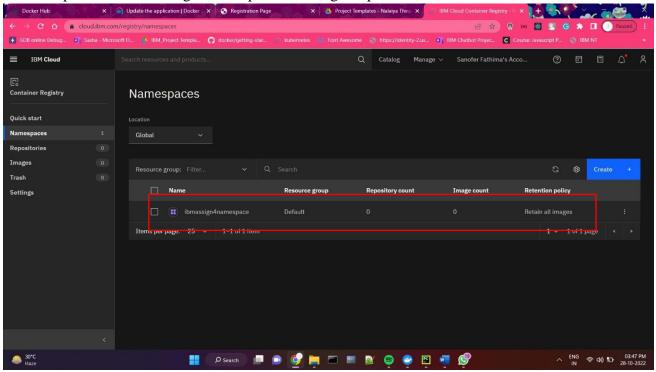


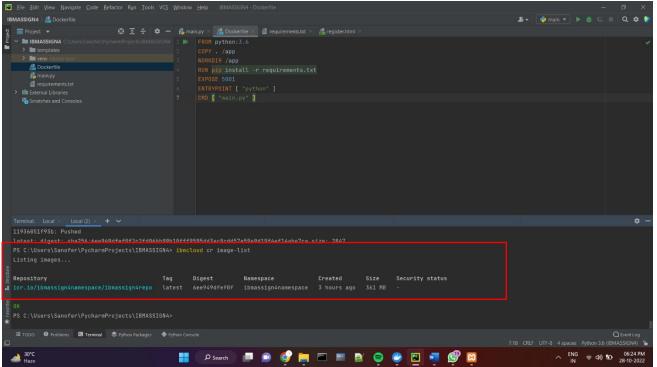
3. Create a IBM container registry and deploy hello world app.

Container registry created using

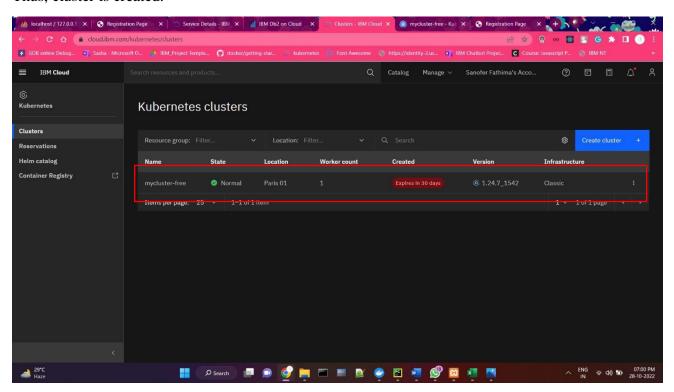
> docker tag sanoferrasheed/ibmassign4deploy:latest icr.io/ibmassign4namespace/ibmassign4repo:latest

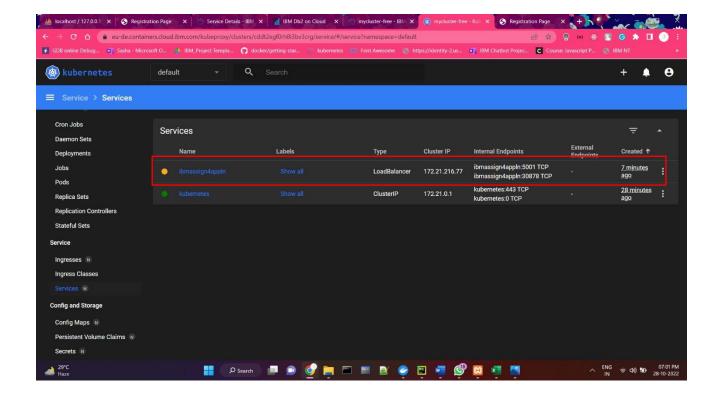
> docker push icr.io/ibmassign4namespace/ibmassign4repo:latest





Thus, cluster is created.





APP IS LIVE AT http://159.122.174.152:30878/