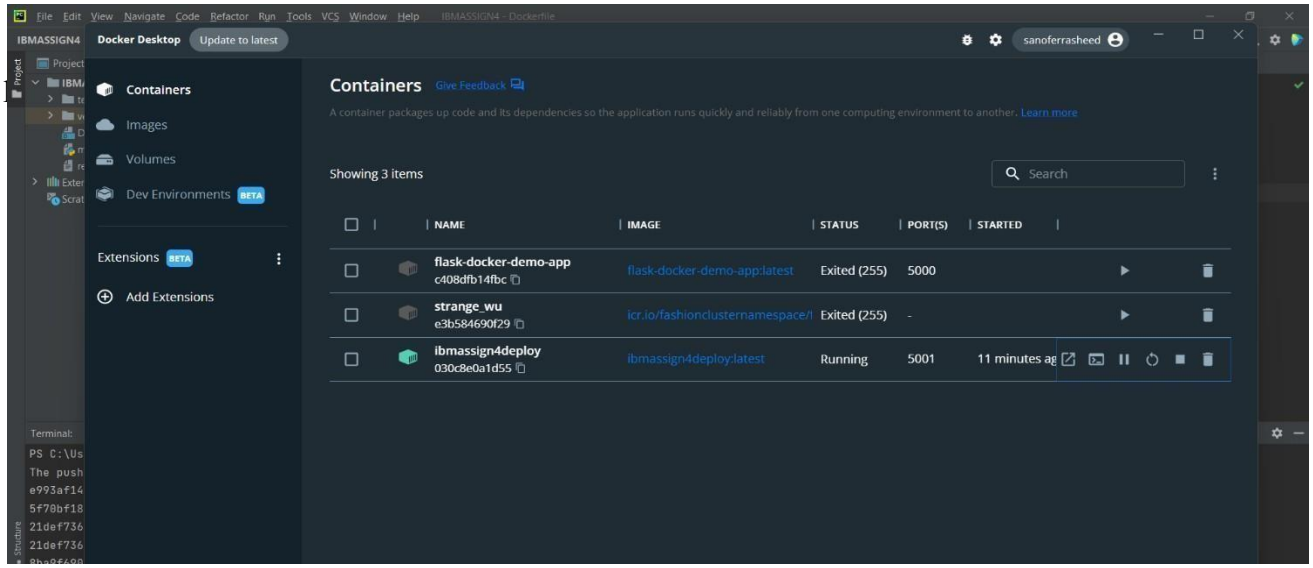
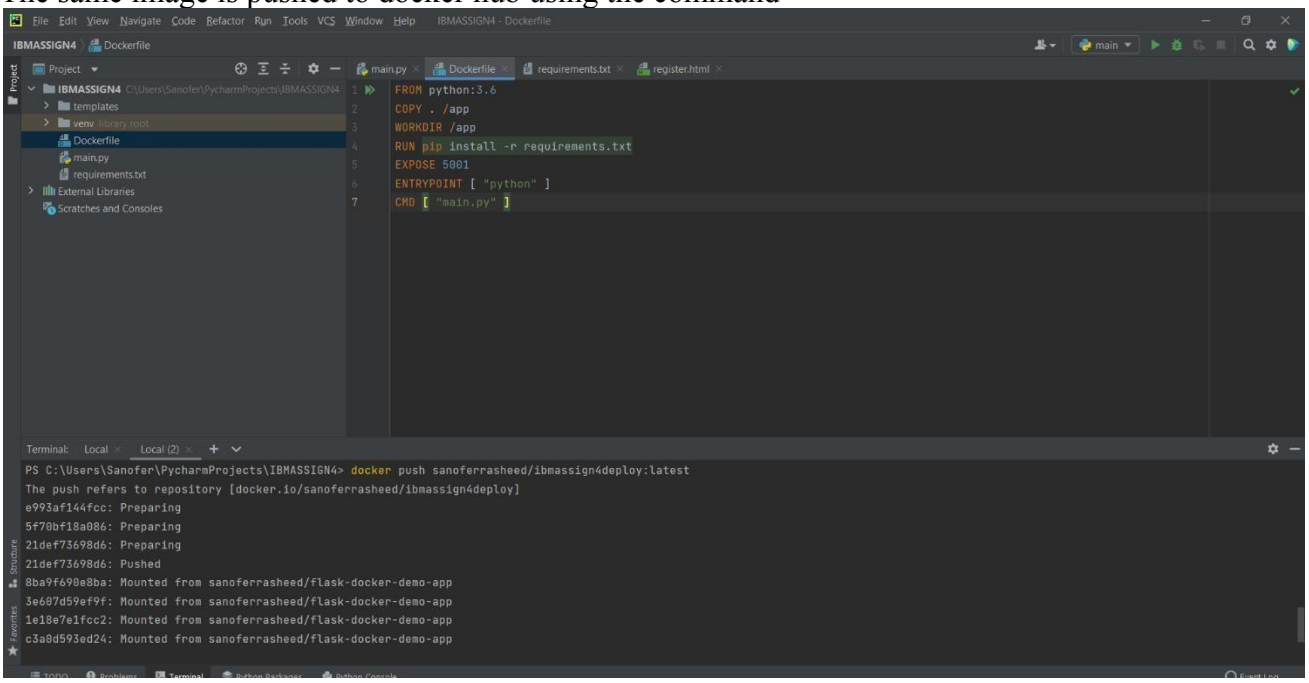
ASSIGNMENT 4

CLOUD APPLICATION DEVELOPMENT

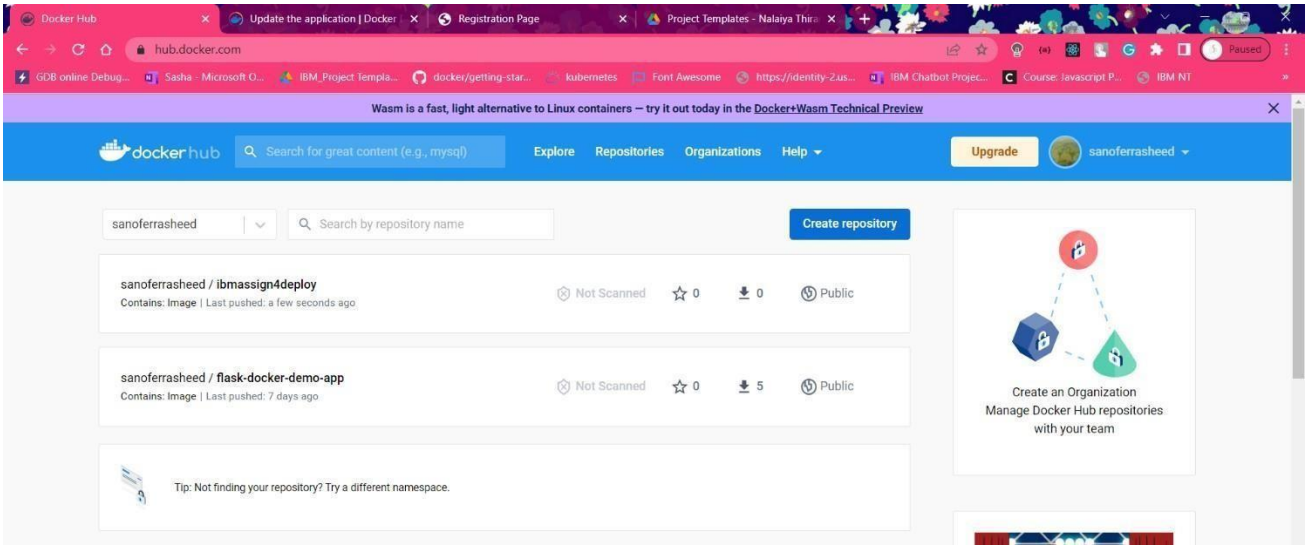
Team Id	PNT2022TMID21350
Project Name	Personal Expense Tracker Application
Maximum Marks	2 Marks



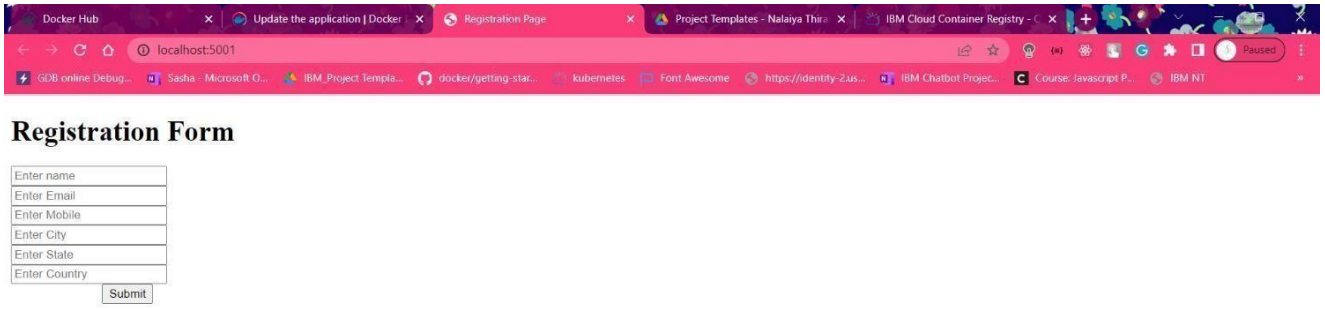
The same image is pushed to docker hub using the command



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



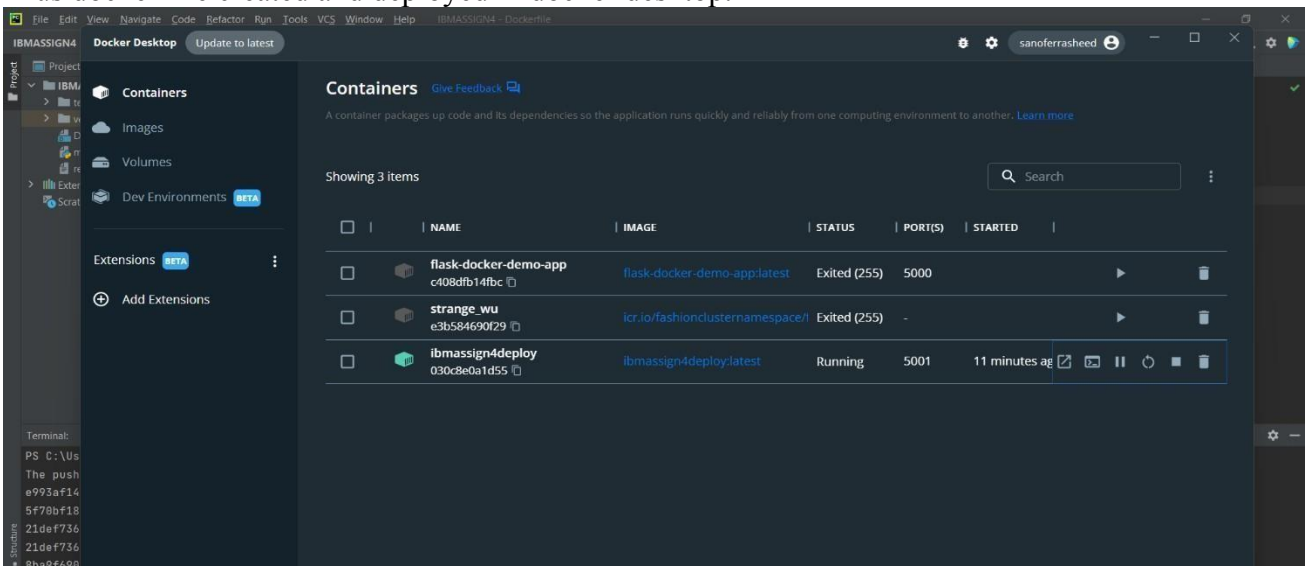
The app is running at the specified port.



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" ]
```

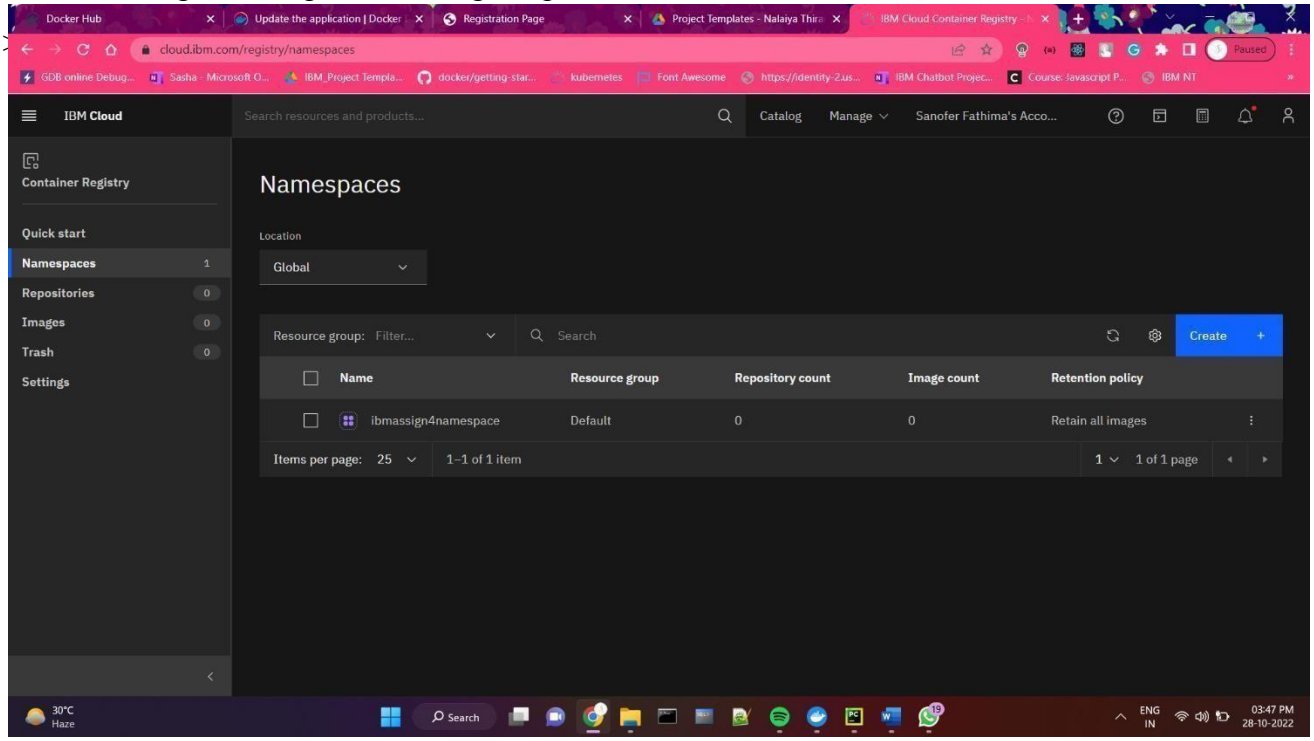
Thus docker file created and deployed in docker desktop.



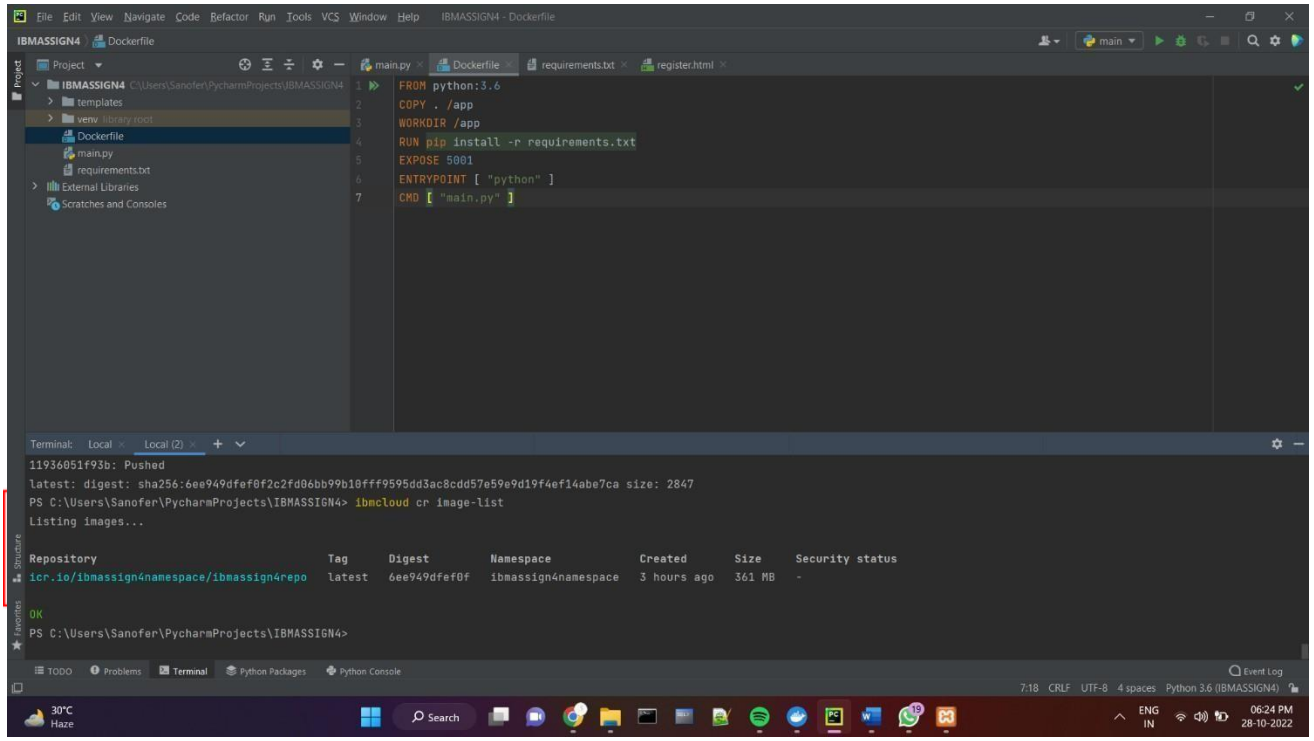
3. Create a IBM container registry and deploy hello

world app. Container registry created using

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

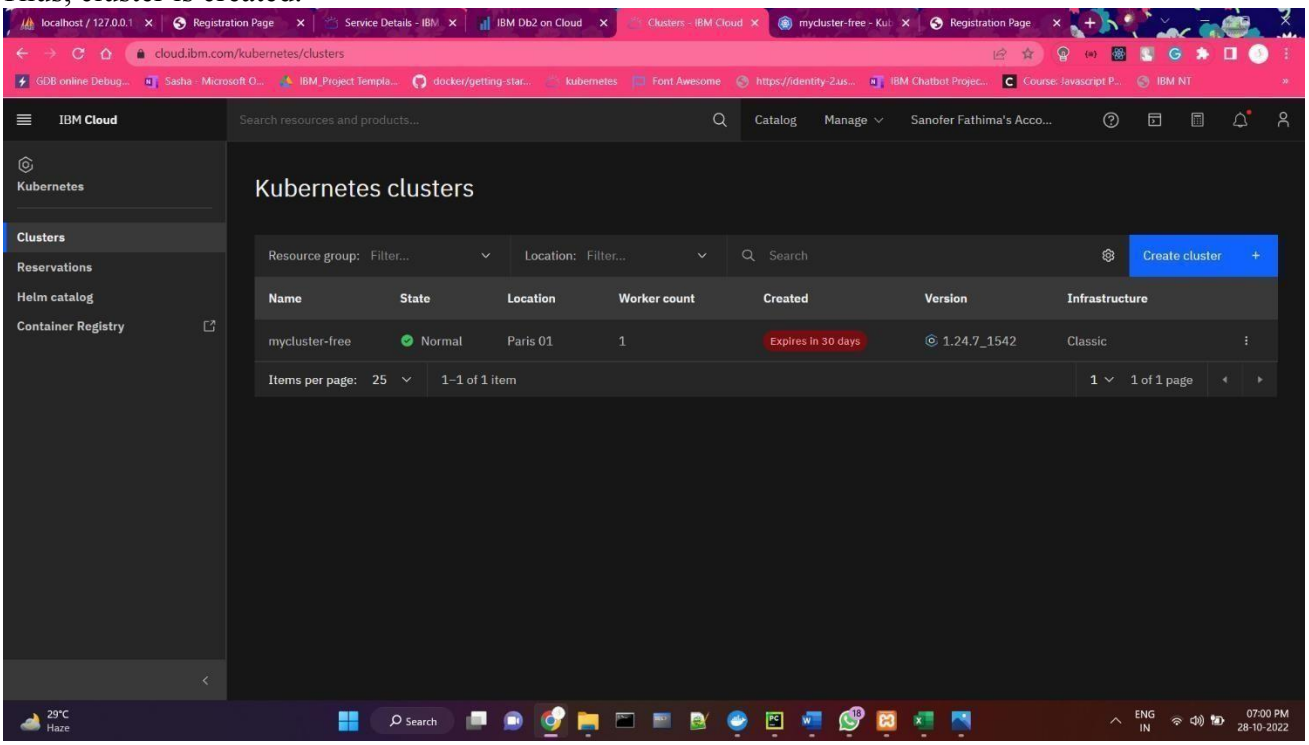


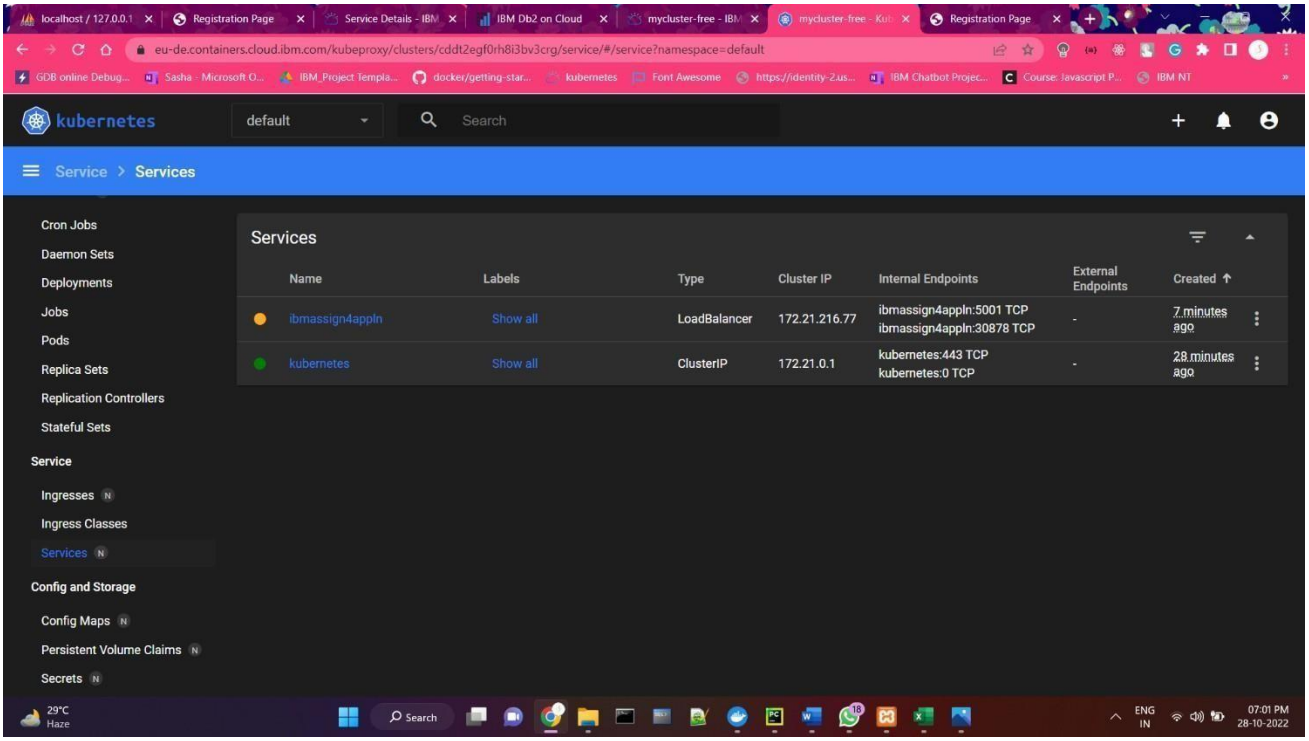
Thus, images in container registry are listed



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.

Thus, cluster is created.





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