ASSIGNMENT 4

DATE	8th November 2022
ROLL NUMBER	2019503057
NAME	THILAKSURYA B
TEAM ID	PNT2022TMID35662

1. Pull an Image from docker hub and run it in docker playground.
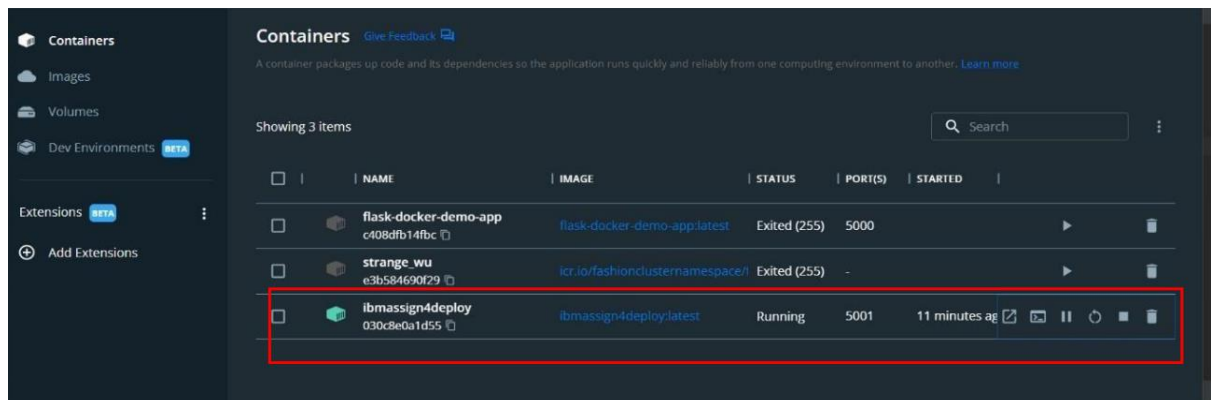
2. Create a docker file for the jobportal application and deploy it in Docker desktop application.

Docker File:

```
FROM python:3.6
COPY . /app
WORKDIR /app
RUN pip install -r requirements.txt
EXPOSE 5001
ENTRYPOINT [ "python" ]
CMD [ "main.py" ]
```
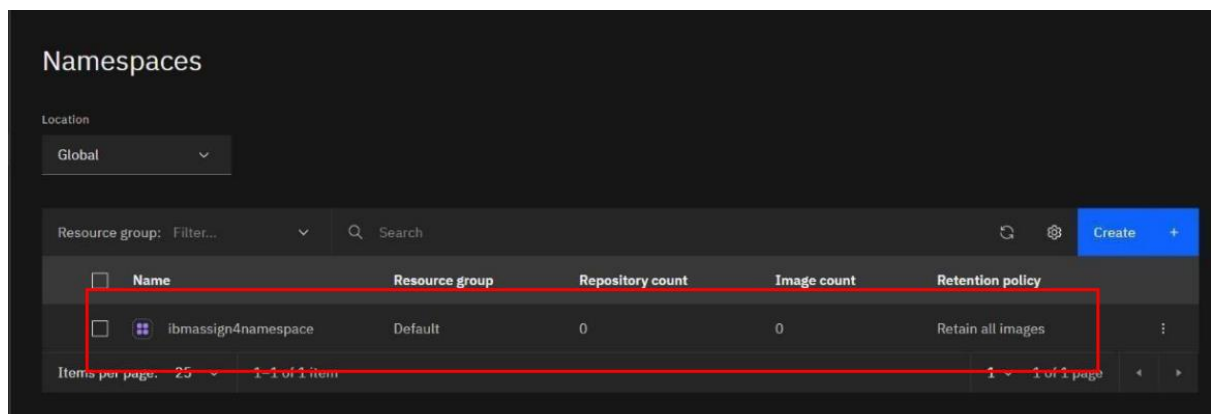
OUTPUT

Docker file created and deployed in docker desktop application.

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

IBM container registry is created and app is deployed.

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.

Kubernetes cluster is created and app is running at node.