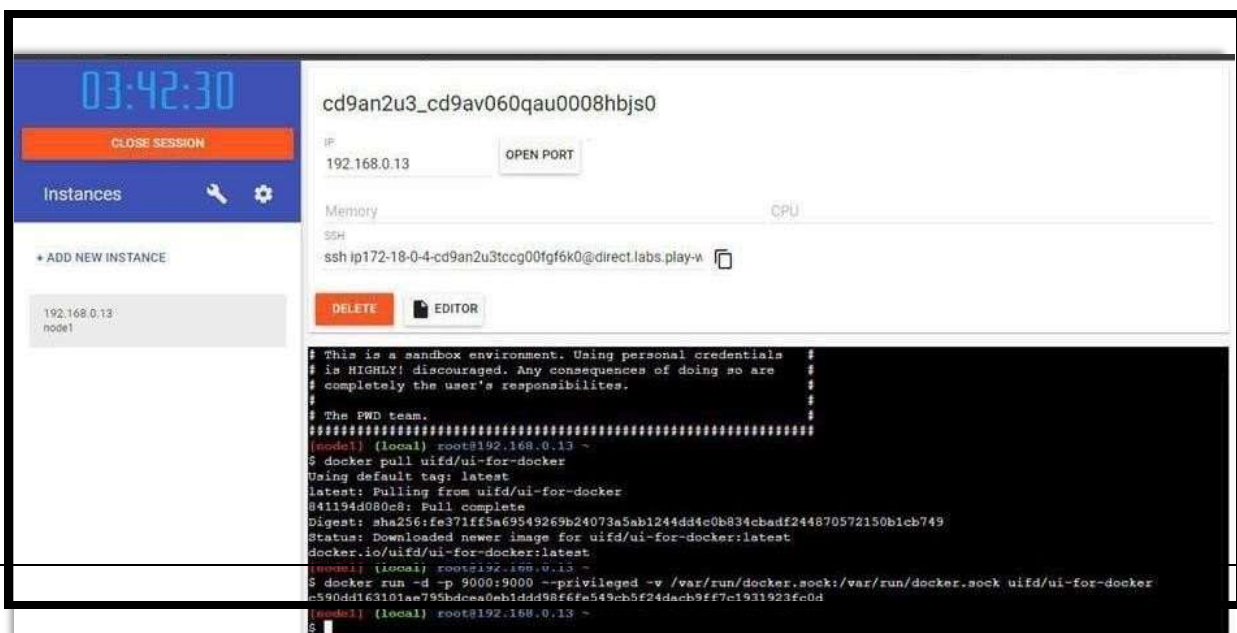
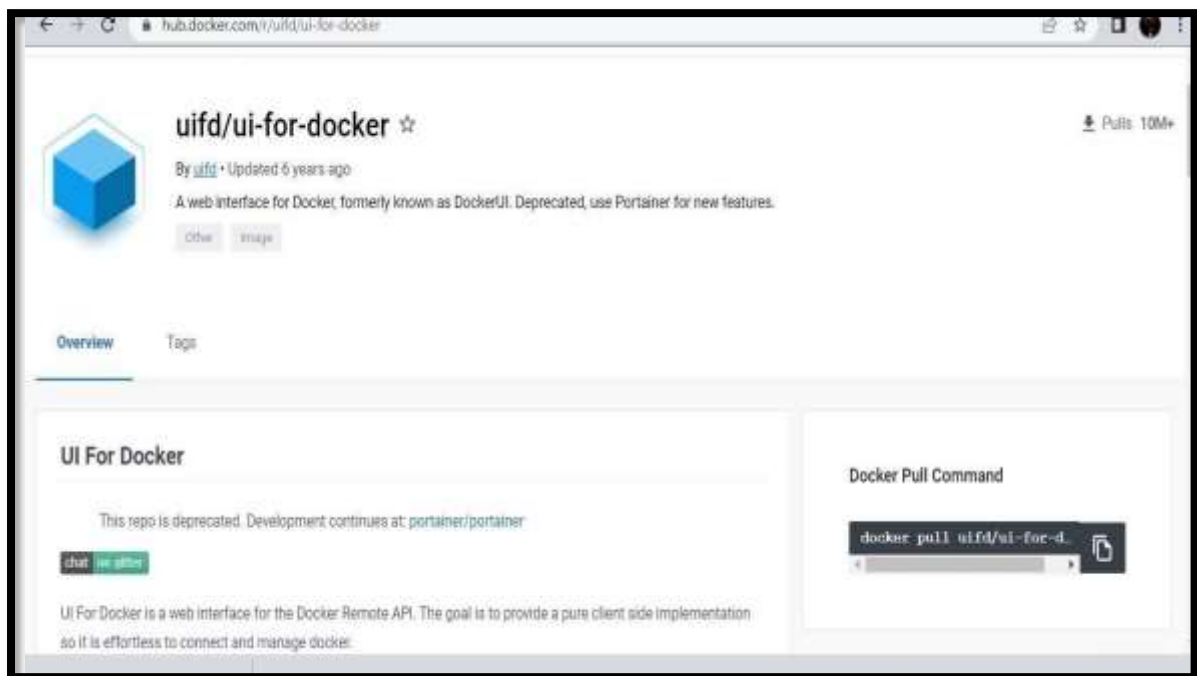


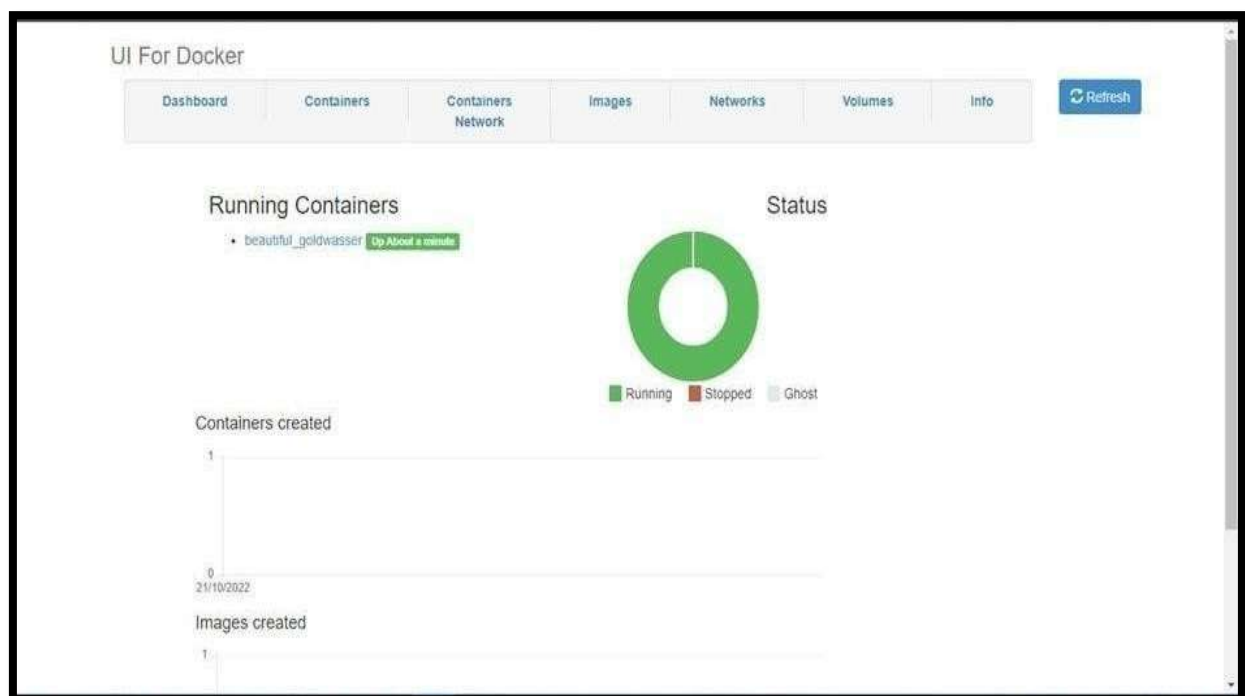
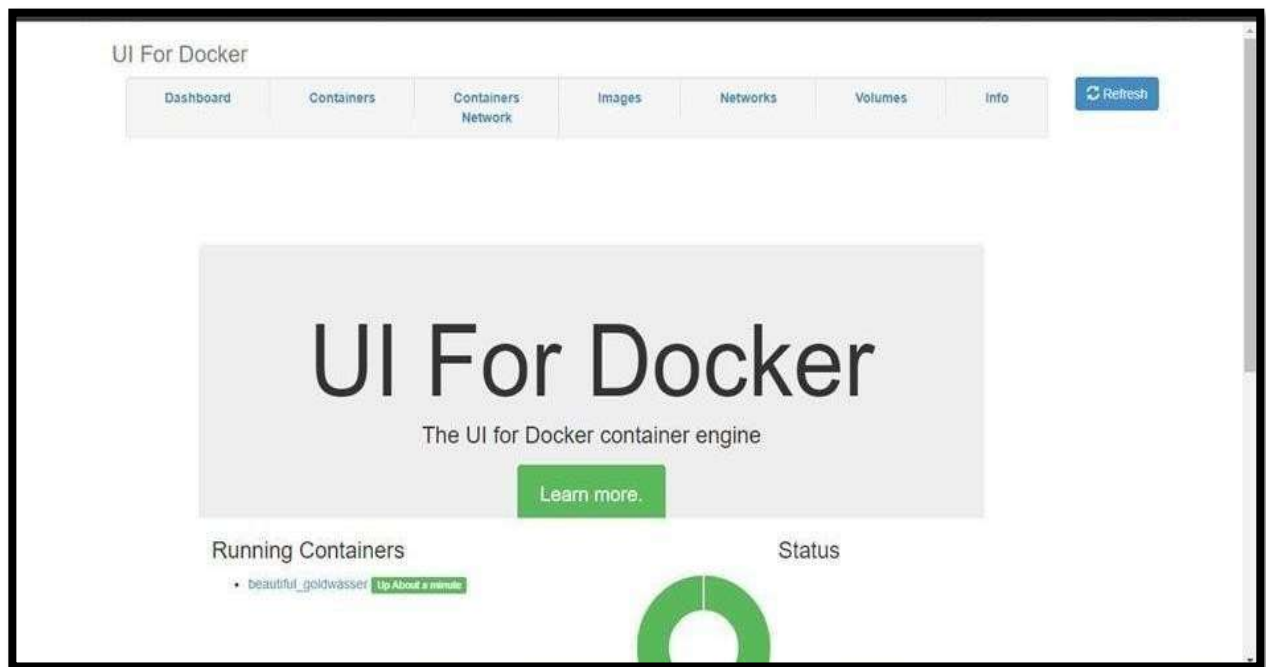
DOCKER AND KUBERNETES

Assignment Date	4 November 2022
Student Name	VINUDHARSHINI C S
Team ID	PNT2022TMID01622
Maximum Marks	2 Marks

Question 1:

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



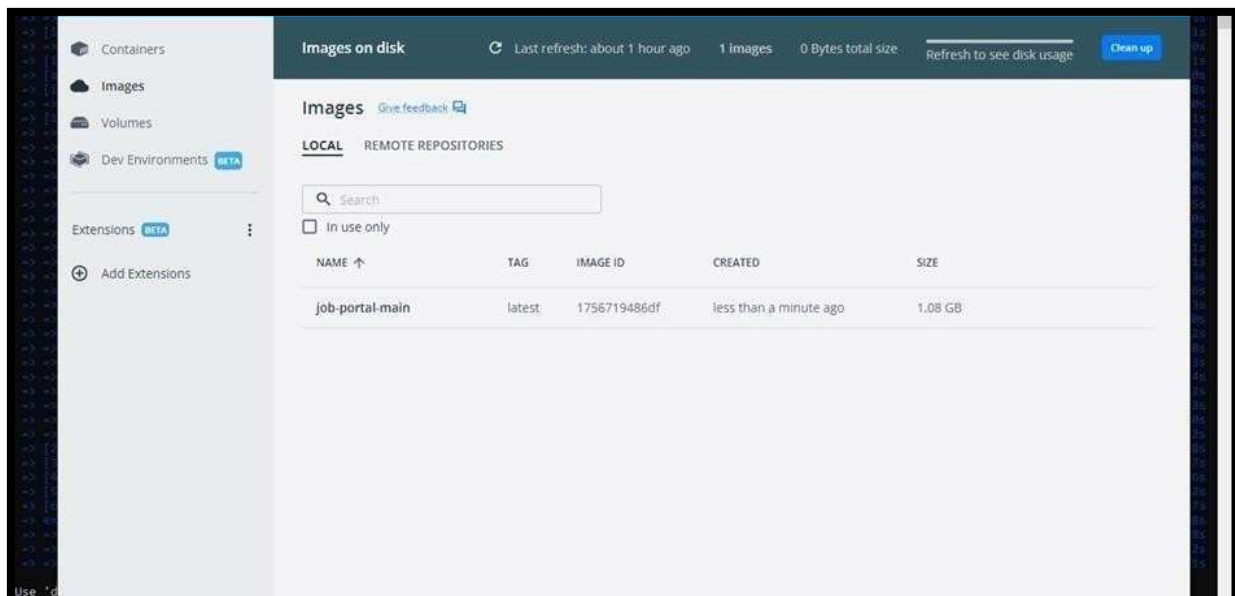


Question 2:

Create a docker file for the job portal application and deploy it in Docker Desktop Application

```
FROM ubuntu:20.04
WORKDIR /app
COPY . /app
RUN apt-get update && apt-get install -y python3 python3-pip
RUN pip3 install --no-cache-dir flask flask-cors
EXPOSE 5000
CMD ["python3", "app.py"]
```

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them



Question 3:

Create an IBM container registry and deploy helloworld app or Job portal app.

```
PS C:\Users\HP> docker tag hello-world icr.io/0034ns/helloworld
PS C:\Users\HP> docker push icr.io/0034ns/helloworld
Using default tag: latest
The push refers to repository [icr.io/0034ns/helloworld]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
```

Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or job portal image and also expose the same app to run in node port.

