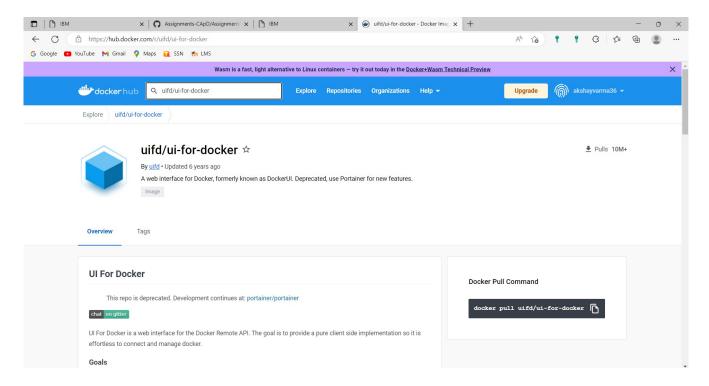
Assignment – 4

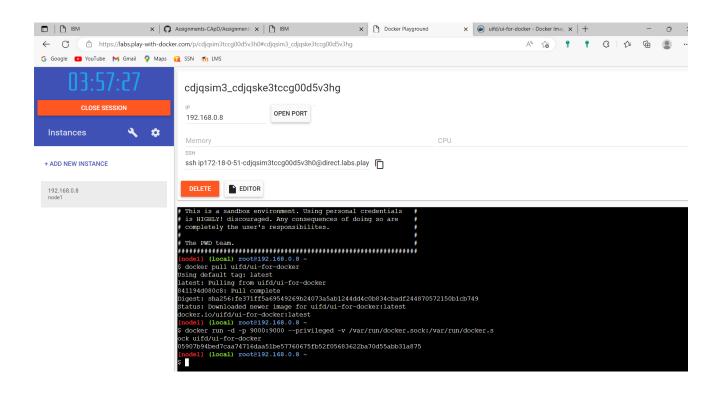
Name	Gottimukkala V N Akshay Varma
Roll Number	SSNCE195001033
Batch	B1A3E-07

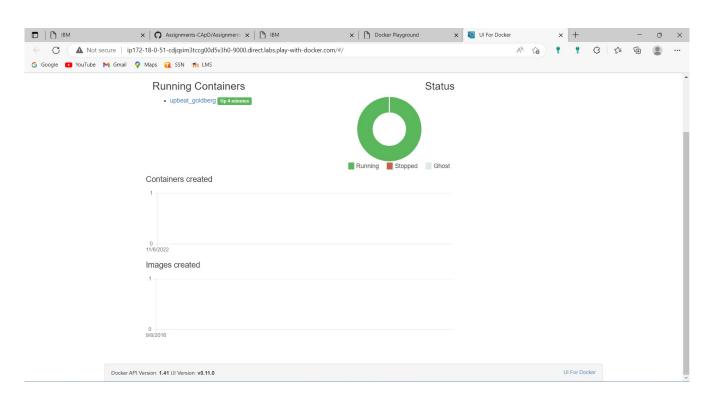
Aim:

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

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

FROM helloworld:latest
WORKDIR ~/Desktop/
ADD . helloworld/
WORKDIR~/Desktop/sreyhtml
RUN pip install -r requirements
RUN chmod +x app.sh
CMD ["/bin/sh","app.sh"]

3. Create a IBM container registry and deploy job portal app

```
PS C:\WINDOWS\system32> docker tag hello-world icr.io/26031ns/hello-world
PS C:\WINDOWS\system32> docker push icr.io/26031ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/26031ns/hello-world]
e07ee1baac5f: Mounted from 09876ns/hello-world
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
```

4. Create a Kubernetes cluster in IBM cloud and deploy jobportal image and also expose the same app to run in nodeport

