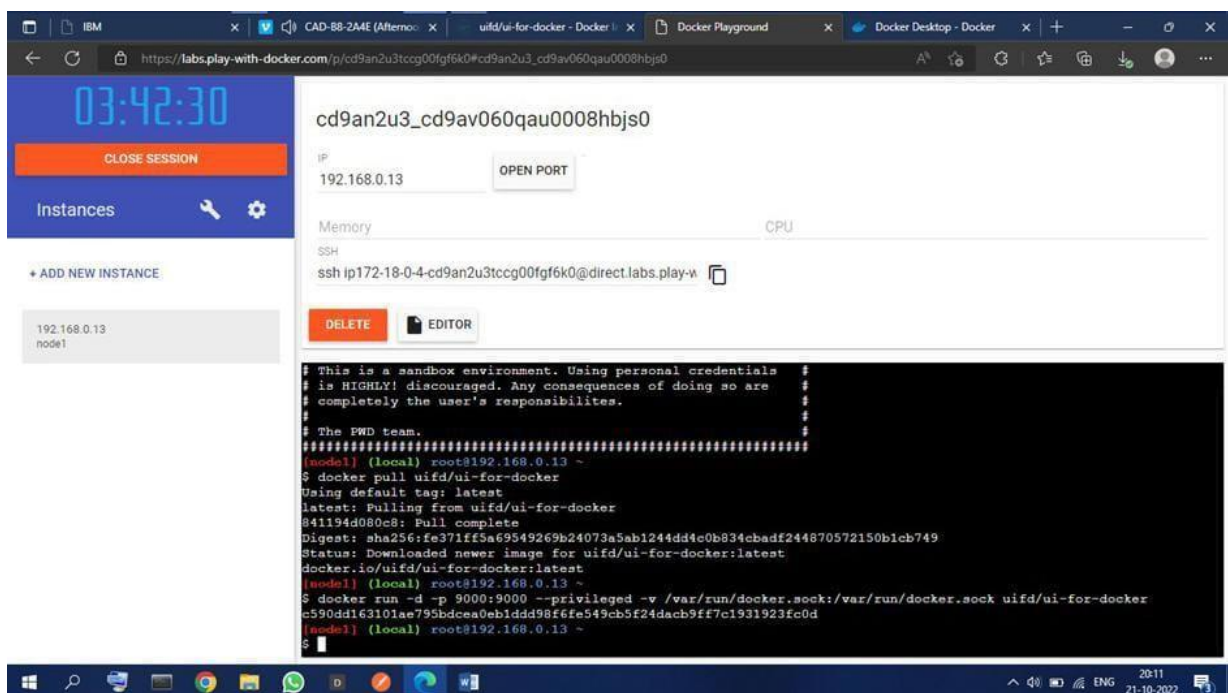
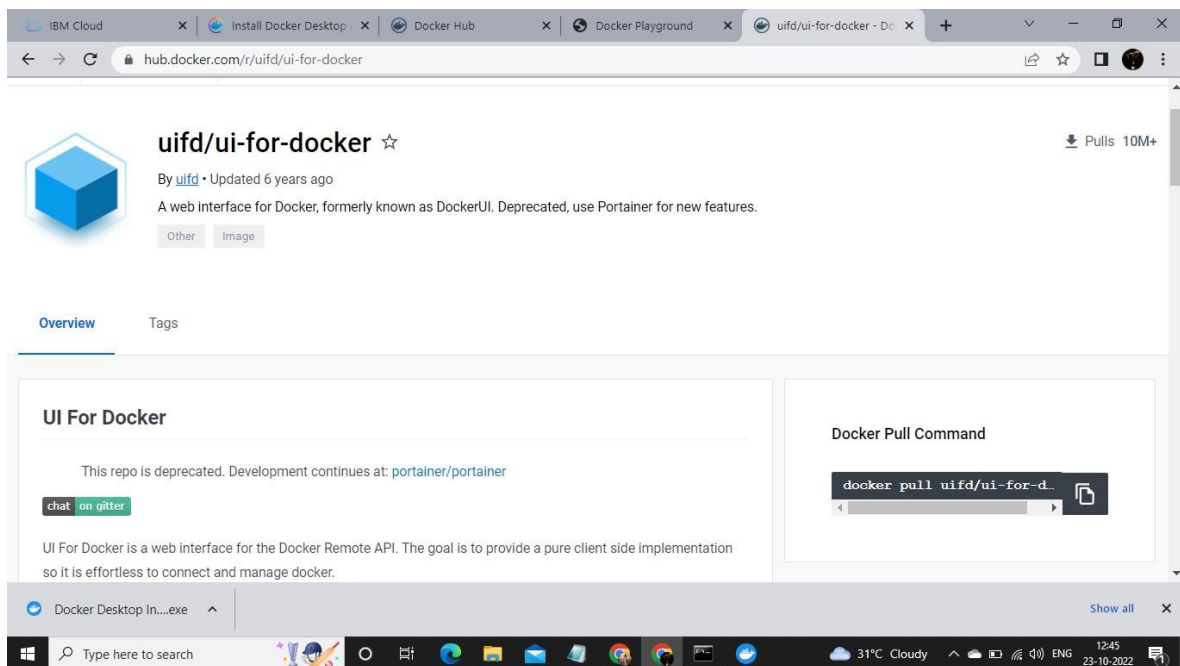


DOCKER AND KUBERNETES

Assignment Date	21 October 2022
Student Name	ARUNA P
Student Roll Number	613019104006
Team ID	PNT2022TMID30529
Maximum Marks	2 Marks

Question 1:

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



UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh

UI For Docker


The UI for Docker container engine

Learn more.

Running Containers

- beautiful_goldwasser Up About a minute

Status



Windows taskbar: 20:13 21-10-2022


UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh

Running Containers

- beautiful_goldwasser Up About a minute

Status



Running Stopped Ghost

Containers created

1

0

21/10/2022

Images created

1

Windows taskbar: 20:13 21-10-2022

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

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk

Last refresh: about 1 hour ago

1 images

0 Bytes total size

Refresh to see disk usage

Clean up

Images [Give feedback](#)

LOCAL REMOTE REPOSITORIES

Search

☐ In use only

NAME ↑	TAG	IMAGE ID	CREATED	SIZE
job-portal-main	latest	1756719486df	less than a minute ago	1.08 GB

Use 'd

C:\Use

RAM 2.53GB

CPU 1.56%

Connected to Hub

v4.13.0

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.

