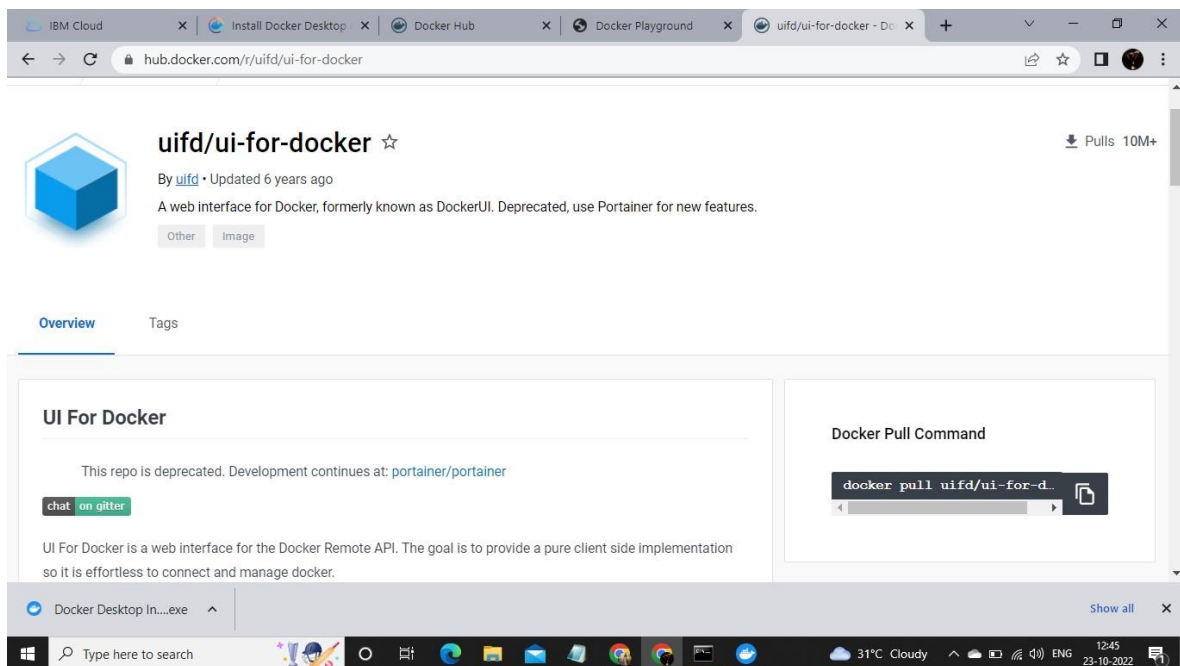


DOCKER AND KUBERNETES

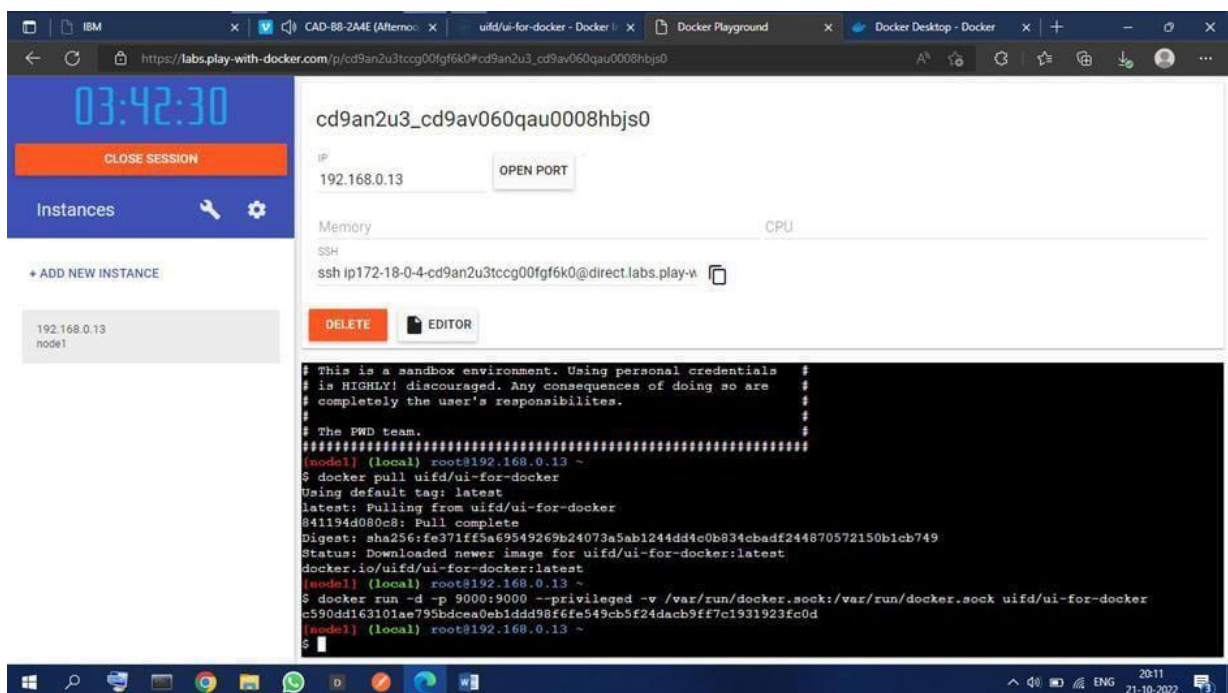
| | |
|---------------------|------------------|
| Assignment Date | 06 NOVEMBER 2022 |
| Student Name | SOWMYA M |
| Student Roll Number | 613019104079 |
| Team ID | PNT2022TMID30600 |
| Maximum Marks | 2 Marks |

Question 1:

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



The screenshot shows a web browser window with multiple tabs. The active tab is 'uifd/ui-for-docker - Docker Hub'. The page displays the Docker Hub profile for 'uifd/ui-for-docker', which is marked as deprecated. It includes a description: 'A web interface for Docker, formerly known as DockerUI. Deprecated, use Portainer for new features.' and a 'Pulls 10M+' badge. A 'chat on gitter' button is visible. A 'UI For Docker' section contains a note about deprecation and a link to 'portainer/portainer'. A 'Docker Pull Command' box shows the command: `docker pull uifd/ui-for-d...`. The browser's taskbar at the bottom shows 'Docker Desktop In...exe' and the system clock indicates 12:45 on 23-10-2022.



The screenshot shows the Docker Playground interface. On the left, there's a sidebar with a clock showing '03:42:30', a 'CLOSE SESSION' button, and an 'Instances' section with a '+ ADD NEW INSTANCE' button. The main area displays a terminal window for a container named 'cd9an2u3_cd9av060qau0008hbjs0'. The terminal shows the IP address '192.168.0.13' and an 'OPEN PORT' button. Below this, there's a 'DELETE' button and an 'EDITOR' button. The terminal output shows the command `docker pull uifd/ui-for-docker` being executed, followed by the command `docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker`. The system clock at the bottom right indicates 20:11 on 21-10-2022.

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.

