

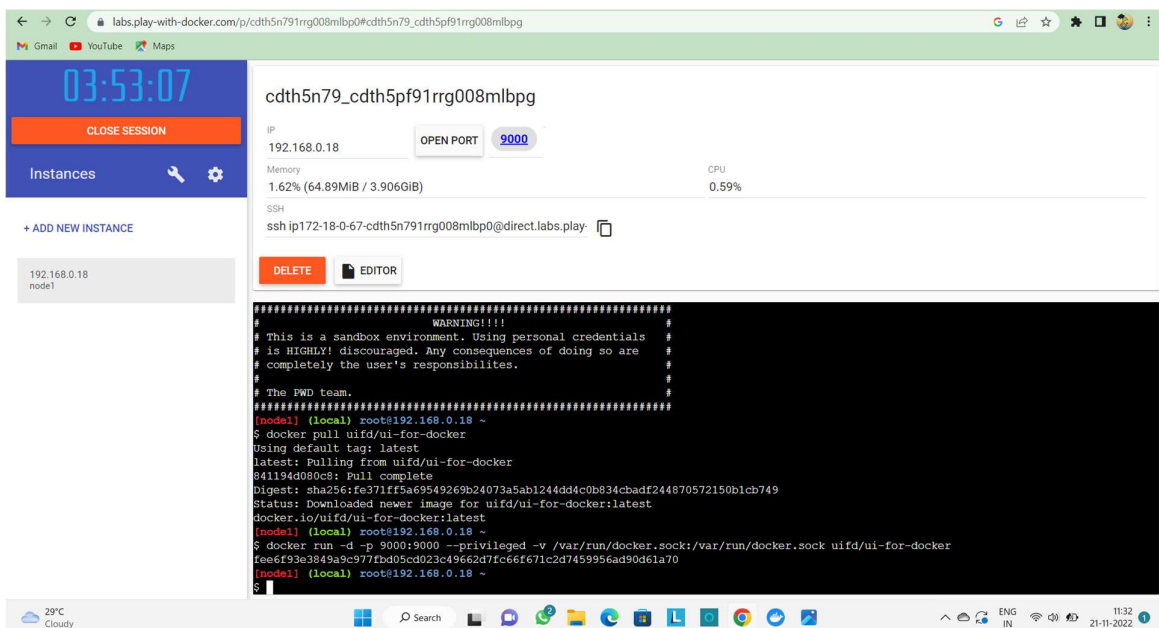
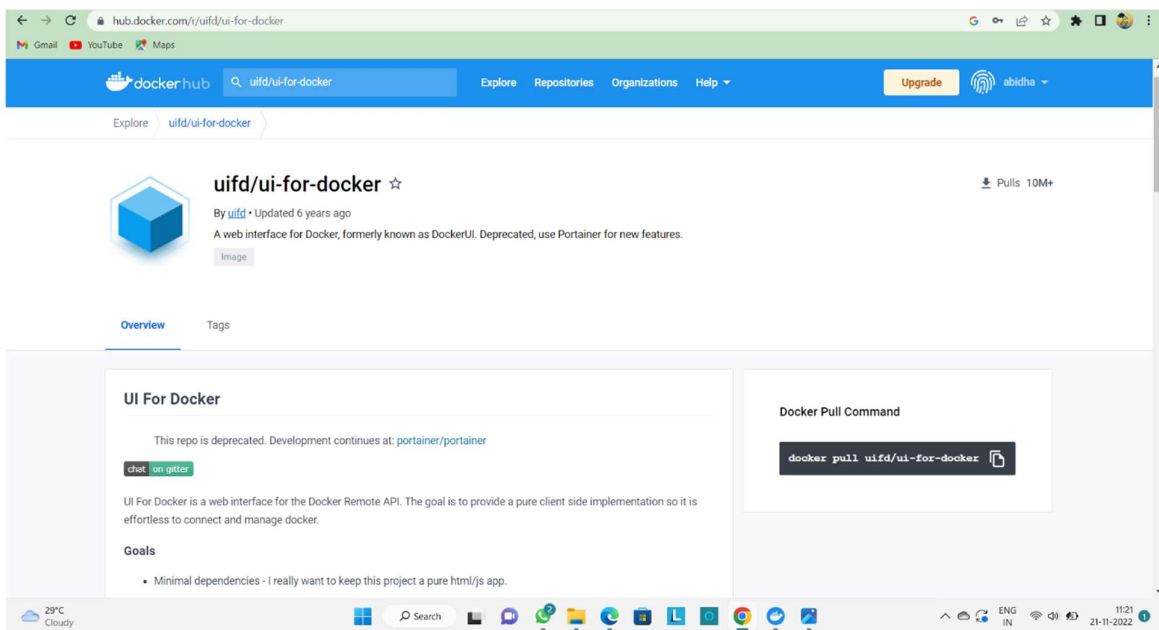
Assignment –4

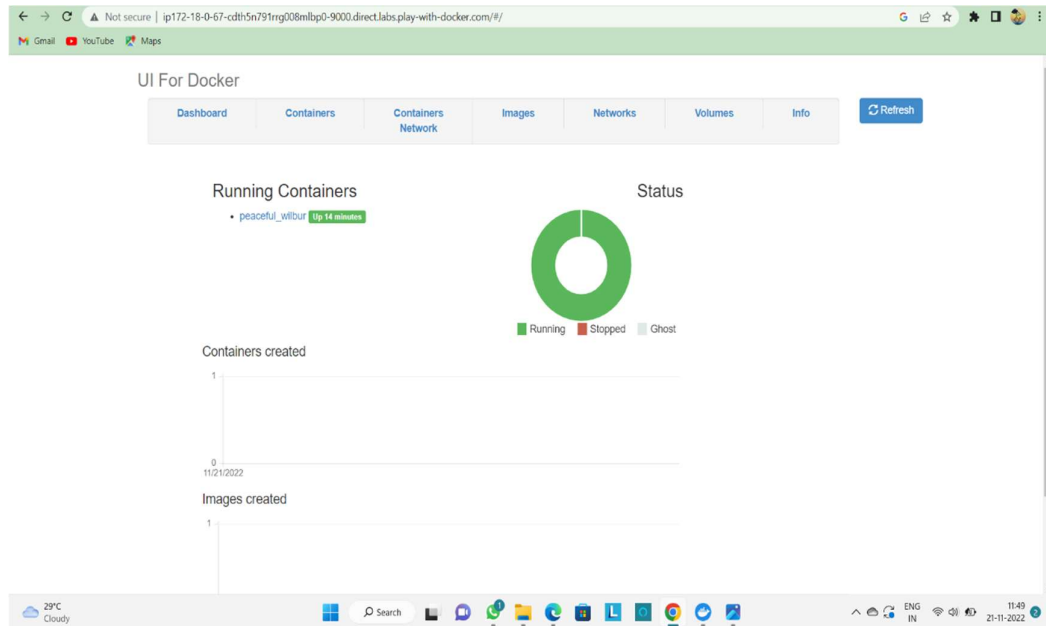
DOCKER AND KUBERNETES

Assignment Date	21 November 2022
Student Name	Reshmaa B
Student Roll Number	820319104031
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.

```
1 FROM helloworld:latest
2 WORKDIR ~/Desktop/
3 ADD . helloworld/
4 WORKDIR ~/Desktop/htmlfile
5 RUN pip install -r requirements
6 RUN chmod +x app.sh
7 CMD ["/bin/sh", "app.sh"]
```

Question-3:

Create an IBM container registry and deploy hello world app or job portal app.

```
Command Prompt
e5e13b0c77cb: Preparing
denied: requested access to the resource is denied

C:\Users\reshmaa>docker push docker.io/testcontainers/helloworld
Using default tag: latest
The push refers to repository [docker.io/testcontainers/helloworld]
7e7c945770f2: Preparing
2ea9f9c8643d: Preparing
e5e13b0c77cb: Preparing
denied: requested access to the resource is denied

C:\Users\reshmaa>docker pull testcontainers/helloworld
Using default tag: latest
latest: Pulling from testcontainers/helloworld
Digest: sha256:4ee5a832ef6eee533df7224b80d4cceb9ab219599014f408d0b69690be94c396
Status: Downloaded newer image for testcontainers/helloworld:latest
docker.io/testcontainers/helloworld:latest

C:\Users\reshmaa>docker push docker.io/testcontainers/helloworld
Using default tag: latest
The push refers to repository [docker.io/testcontainers/helloworld]
802cca11a560: Layer already exists
80b7fe966245: Layer already exists
50644c29ef5a: Layer already exists
errors:
denied: requested access to the resource is denied
unauthorized: authentication required

C:\Users\reshmaa>
```

Question-4:

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

