DOCKER AND KUBERNETES

Assignment Date	4 November 2022
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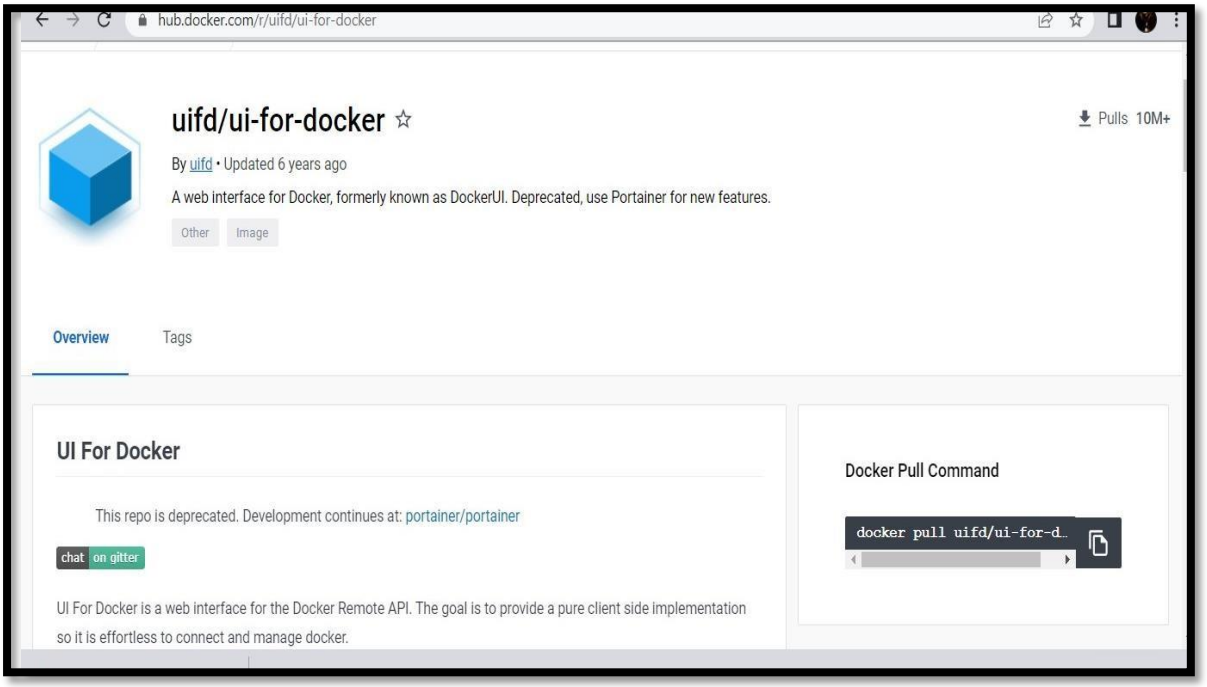
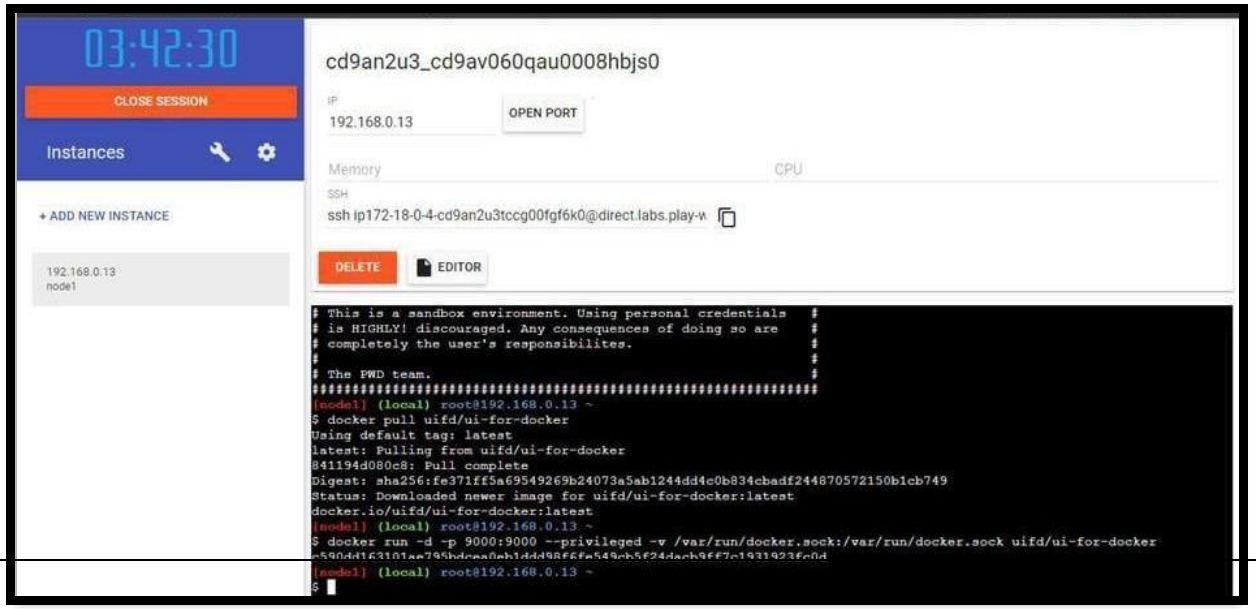
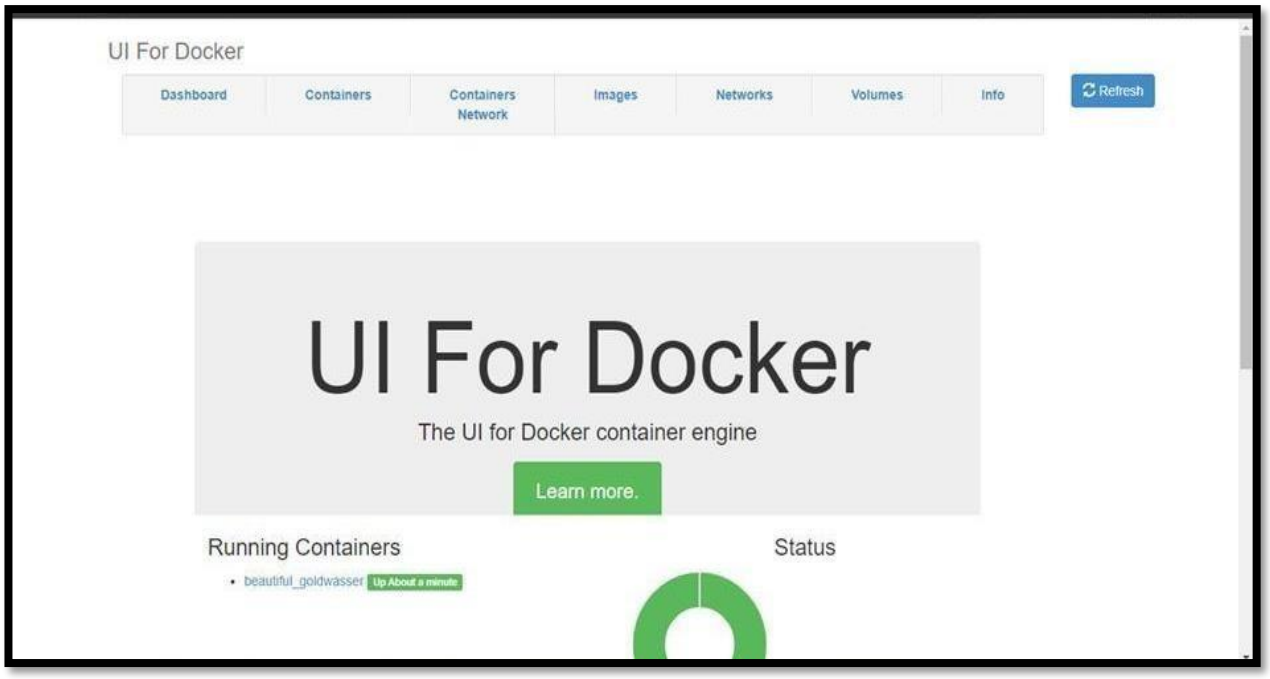
Team ID	PNT2022TMID02056
Maximum Marks	2 Marks

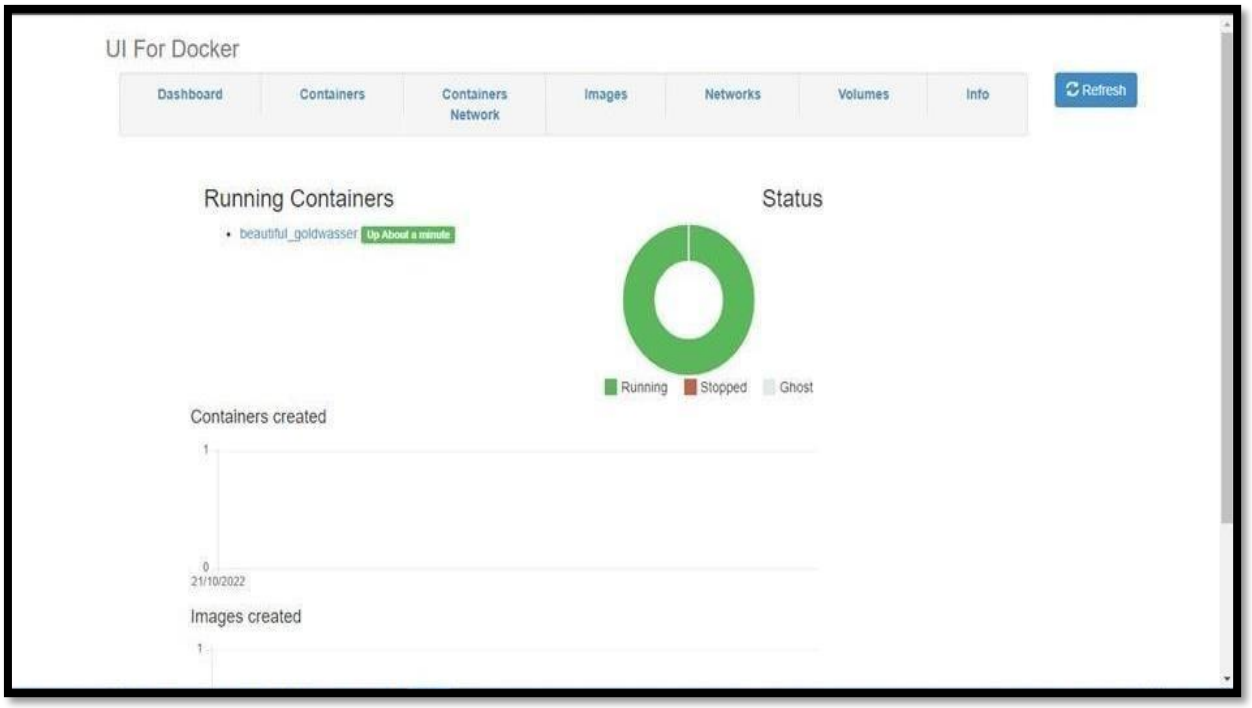
Question 1:

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



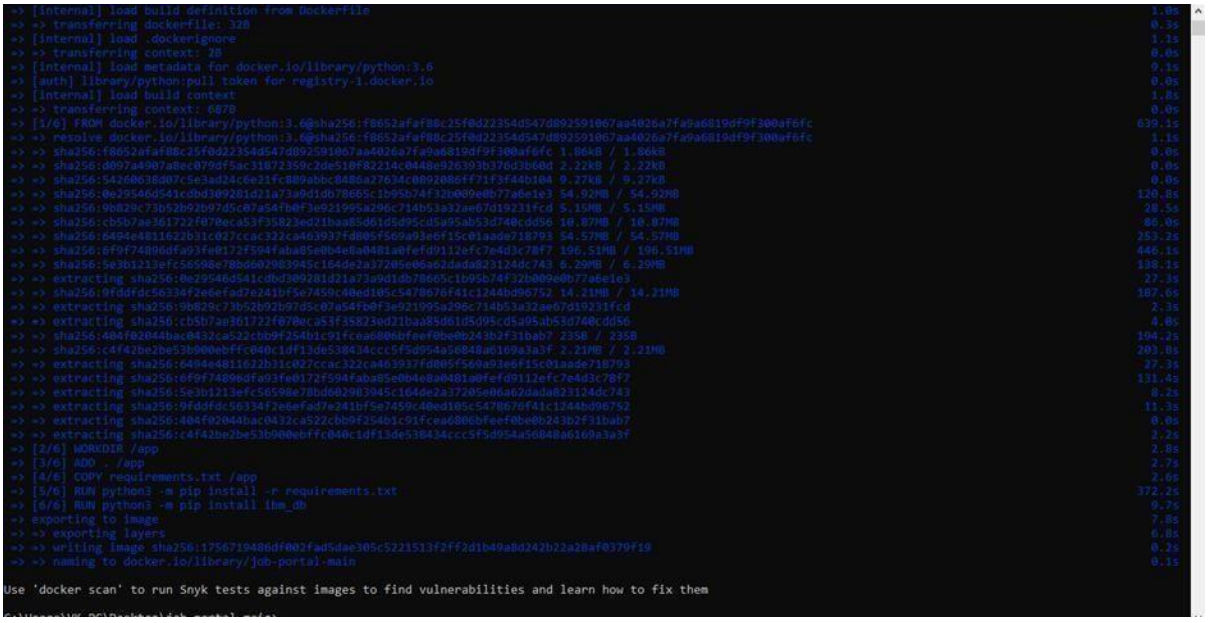


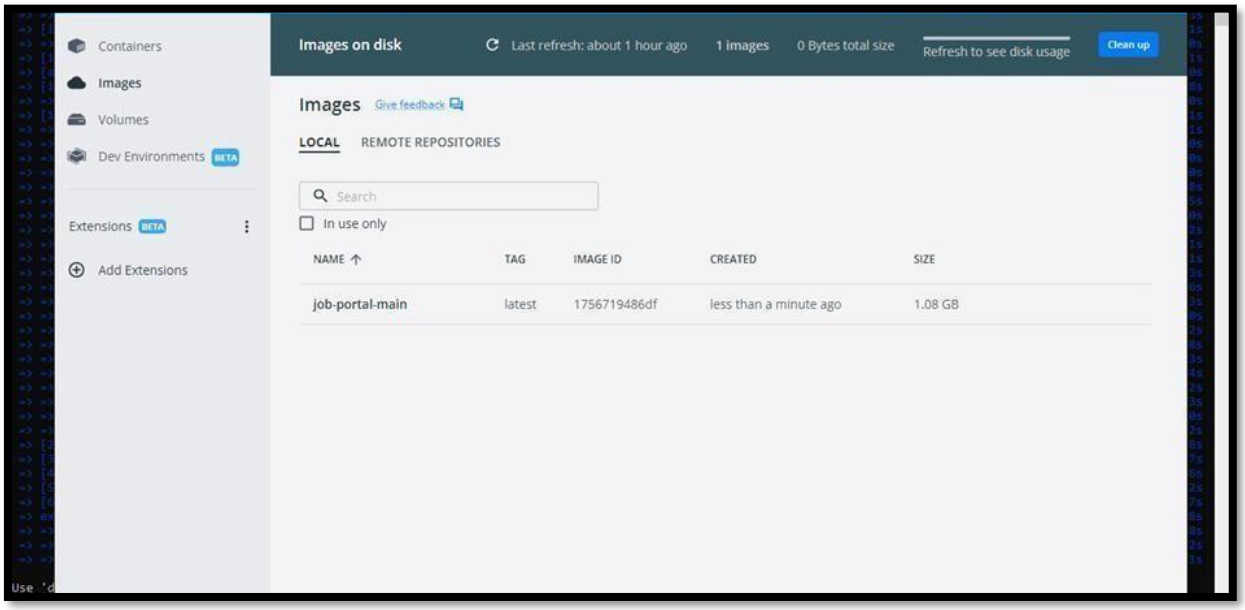

UI For Docker
Dashboard
Containers
Containers Network
Images
Networks
Volumes
Info
Refresh
UI For Docker
The UI for Docker container engine
Learn more.
Running Containers
beautiful_goldwasser
Up About a minute
Status


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

Question 2:

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





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 orjob portal image and also expose the same app to run in node port.