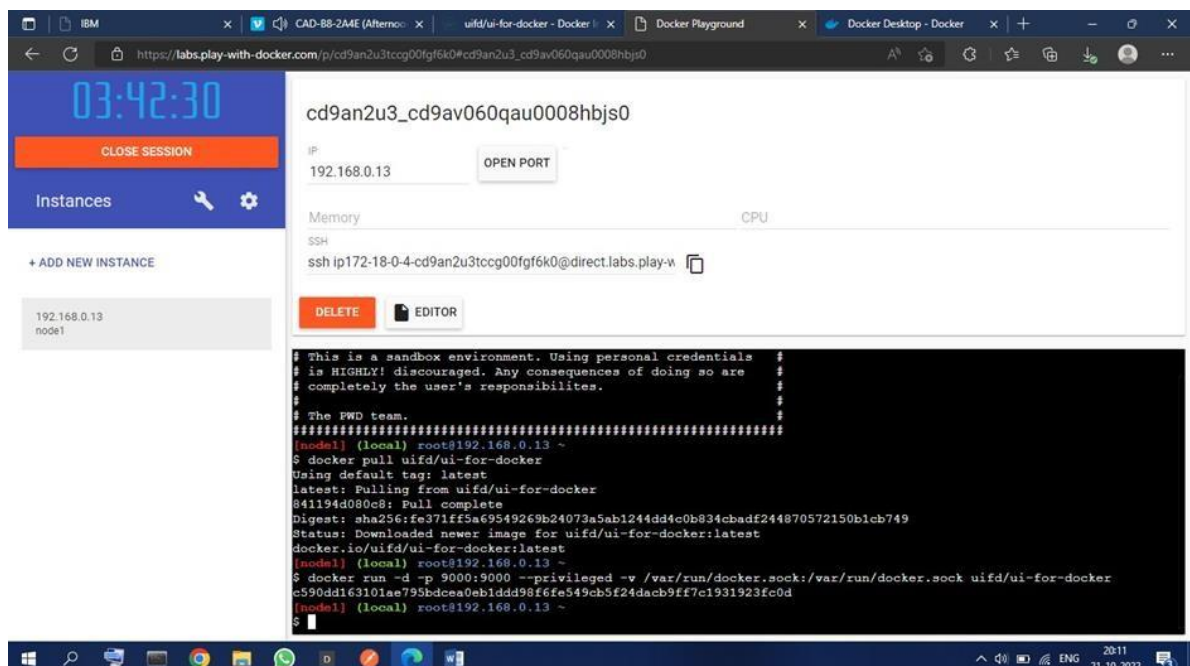
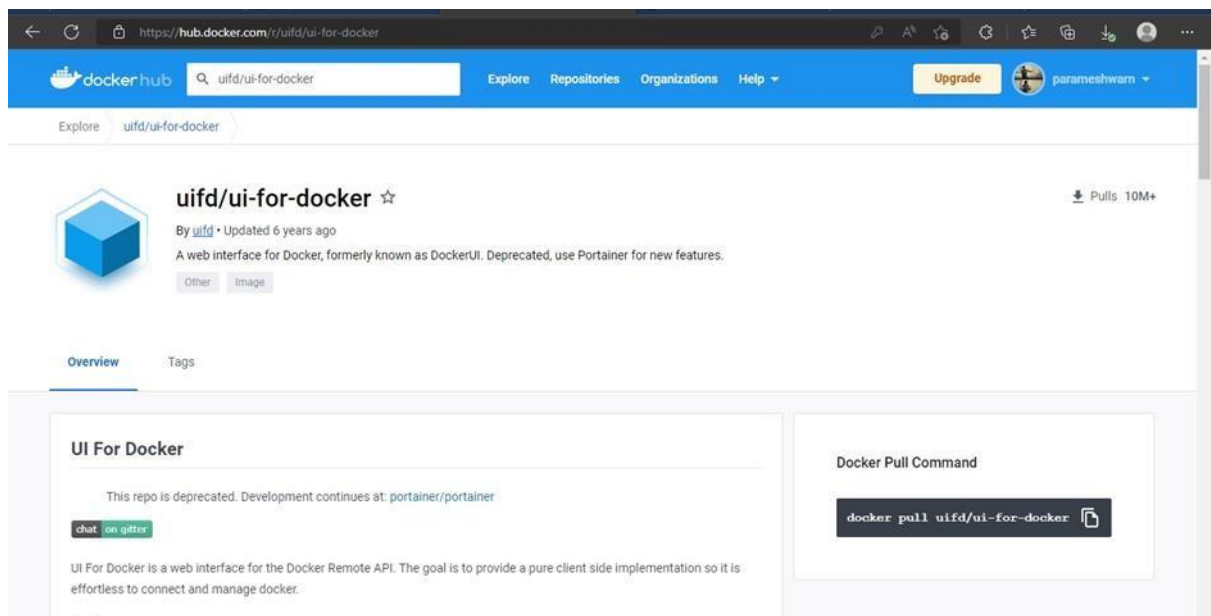


Assignment – 4

Assignment Date	21-OCT-2022
Team ID	PNT2022TMID505 67
Student Name	K.Peratchi Selvi
Student Roll Number	952819104039
Maximum Marks	2 Marks

Questions:

1. Pull an image from docker hub and run it in docker playground.



2. Create a docker file for the job portal application and deploy it in Docker desktop application.

```
C:\Windows\System32\cmd.exe
>> [internal] load build definition from Dockerfile
>> transferring dockerfile: 32B
>> [internal] load .dockerignore
>> transferring context: 0B
>> [internal] load metadata for docker.io/library/python:3.8
>> [auth] library/python:pull token for registry-1.docker.io
>> [internal] load build context
>> transferring context: 687B
>> [1/6] FROM docker.io/library/python:3.8@sha256:f8532afaf88c25f0d22354d5a7d892591067aa402ba7fa9a8810d9f300af6fc
>> resolve docker.io/library/python:3.8@sha256:f8532afaf88c25f0d22354d5a7d892591067aa402ba7fa9a8810d9f300af6fc
>> sha256:16022afaf88c25f0d22354d5a7d892591067aa402ba7fa9a8810d9f300af6fc 1.15B / 1.15B
>> sha256:0072a097a0e0799f5a31822358c2a530f02214c0448a92b103b376d3b69d 2.22KB / 2.22KB
>> sha256:54260a10d07c5a2d24c0e21fc809abbc8486a27634:0092000f771f3f4ab184 0.27KB / 0.27KB
>> sha256:0e2054ed543cdd389281d21a73a0d1db78665c105b74f32b0090b77abec3 54.92MB / 54.92MB
>> sha256:00820c73052b92b07d5c07a54b0f3e021095a206c714b53a32ae67d19231fcd 5.35MB / 5.35MB
>> sha256:cb507ae161724070ec853f25823ed21baa85d61d5d95cda95ab51d740cd056 10.87MB / 10.87MB
>> sha256:04904011623b11c827ccac22c0461837f0805f900950b0f15c01a0d718793 54.57MB / 54.57MB
>> sha256:0997409d4f03e072f5a44dbd5e04e0e081b0f0f112ef764dc78f7 106.51MB / 106.51MB
>> sha256:5e3b1237c15090b78d0001081045c1640e2a37205006a620a0a023124dc743 6.39MB / 6.39MB
>> extracting sha256:0e2054ed543cdd389281d21a73a0d1db78665c105b74f32b0090b77abec3
>> sha256:9fddfd56134f2e0efad7e241bf5e7459c40ed105c5470b76f41c1244b096752 14.21MB / 14.21MB
>> extracting sha256:00820c73052b92b07d5c07a54b0f3e021095a206c714b53a32ae67d19231fcd
>> extracting sha256:cb507ae161724070ec853f25823ed21baa85d61d5d95cda95ab51d740cd056
>> sha256:04904011623b11c827ccac22c0461837f0805f900950b0f15c01a0d718793 235B / 235B
>> sha256:c4f420e044bac8432c523cb0f254b1c91fca0800f0ef0be0b243b2f31bab7 2.21MB / 2.21MB
>> extracting sha256:c4f420e044bac8432c523cb0f254b1c91fca0800f0ef0be0b243b2f31bab7
>> extracting sha256:0997409d4f03e072f5a44dbd5e04e0e081b0f0f112ef764dc78f7
>> extracting sha256:5e3b1237c15090b78d0001081045c1640e2a37205006a620a0a023124dc743
>> extracting sha256:9fddfd56134f2e0efad7e241bf5e7459c40ed105c5470b76f41c1244b096752
>> extracting sha256:04904011623b11c827ccac22c0461837f0805f900950b0f15c01a0d718793
>> extracting sha256:c4f420e044bac8432c523cb0f254b1c91fca0800f0ef0be0b243b2f31bab7
>> extracting sha256:c4f420e044bac8432c523cb0f254b1c91fca0800f0ef0be0b243b2f31bab7
>> [2/6] WORKDIR /app
>> [3/6] ADD . /app
>> [4/6] COPY requirements.txt /app
>> [5/6] RUN python3 -m pip install -r requirements.txt
>> [6/6] RUN python3 -m pip install lba_db
>> exporting to image
>> exporting layers
>> writing image sha256:1756719486df007fad5da3b0c5221513f2f72d1b49a8d42b22a20af0379f39
>> naming to docker.io/library/job-portal-main

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\Users\VK-PC\Desktop\job-portal-main>
```

Docker Desktop

Containers Images Volumes Dev Environments Extensions 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

RAM 2.53GB CPU 1.56% Connected to Hub v4.13.0

3. Create an IBM container registry and deploy helloworld app or jobportalapp.

The image shows two screenshots. The top screenshot is the 'UI For Docker' web interface. It has a navigation bar with links: Dashboard, Containers, Containers Network, Images, Networks, Volumes, and Info. A 'Refresh' button is on the right. The main content area has a large 'UI For Docker' title, the subtitle 'The UI for Docker container engine', and a 'Learn more.' button. Below this, there are sections for 'Running Containers' (showing 'beautiful_goldwasser' with a status 'Up About a minute') and 'Status' (with a green progress indicator).

The bottom screenshot is a terminal window with a Windows taskbar at the top. The terminal shows a list of instances on the left, including '192.168.0.13 node1'. The main terminal area shows the following commands and output:

```
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilities. #
# The PWD team. #
#####
(node1) (local) root@192.168.0.13 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: Pull complete
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
(node1) (local) root@192.168.0.13 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
c590dd163101ae795bdcea0eb1ddd98f6fe549cb5f24dadb9ff7c1931923fc0d
(node1) (local) root@192.168.0.13 ~
$
```