

## Assignment -4

### Docker and Kubernetes

Assignment Date	25 NOVEMBER 2022
Team id	PNT2022TMID25197
Maximum Marks	2 Marks

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

The screenshot displays two browser windows. The top window shows the Docker Hub page for the repository `uifd/ui-for-docker`. The page indicates that the repository is deprecated and development continues at `portainer/portainer`. It shows the repository was updated 6 years ago and has over 10M pulls. The 'Overview' tab is selected, showing a description of the web interface for the Docker Remote API. A 'Goals' section is also visible. The bottom window shows the Docker Playground interface. It displays the instance ID `cd9an2u3_cd9av060qau0008hbjs0` and the IP address `192.168.0.13`. The 'SSH' section shows the command `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`. The 'DELETED' button is visible. The terminal output shows the following commands and results:

```
# 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
c590dd4163101ae795bdcea0eb1ddd98f6fe549cb5f24dadb9ff7c1931923fc0d
(node1) (local) root@192.168.0.13 ~
$
```

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



Containers created



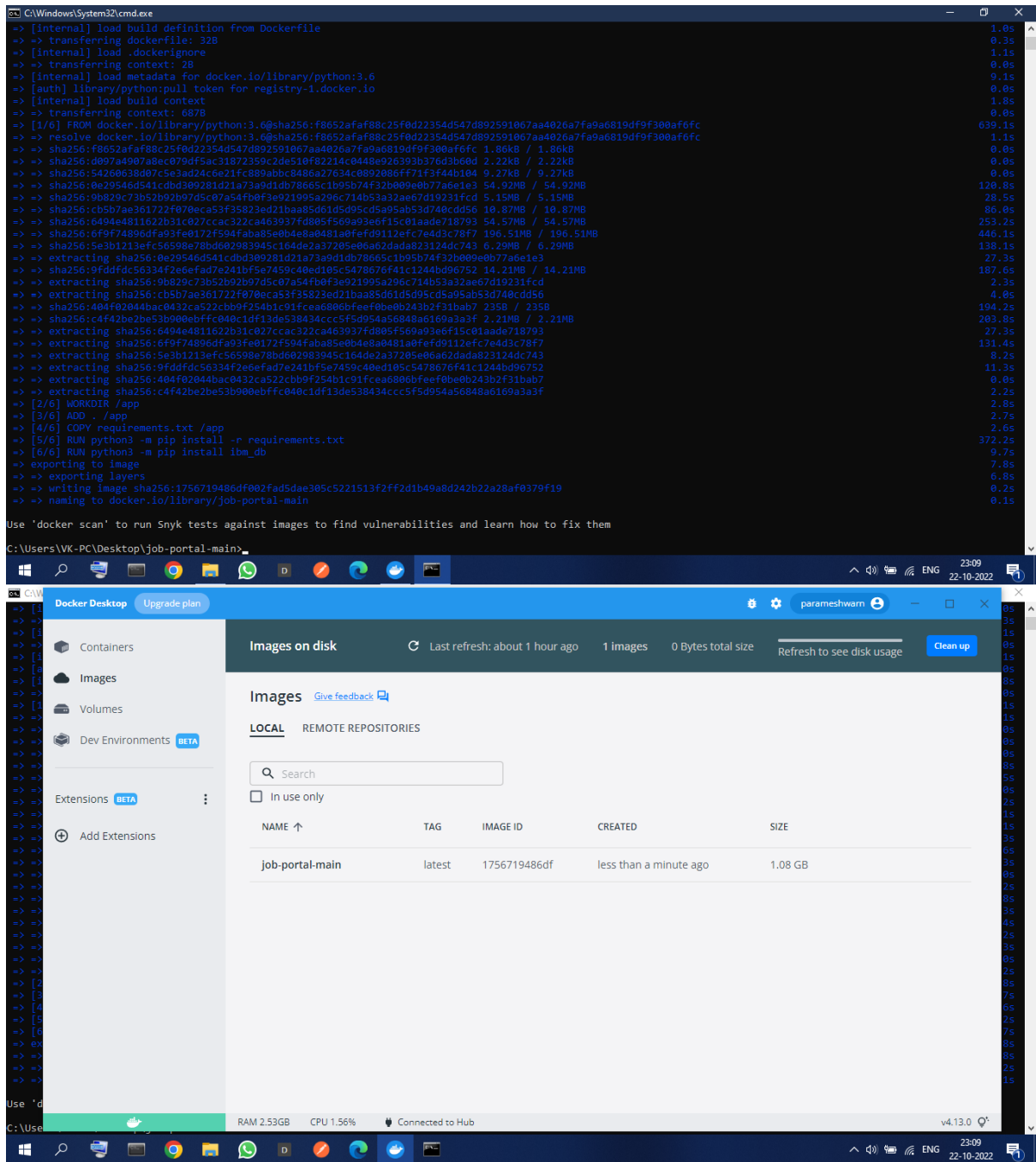
Images created



21/10/2022

Running Stopped Ghost

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



### 3. Create a IBM container registry and deploy helloworld app