

Assignment -4

Docker and Kubernetes

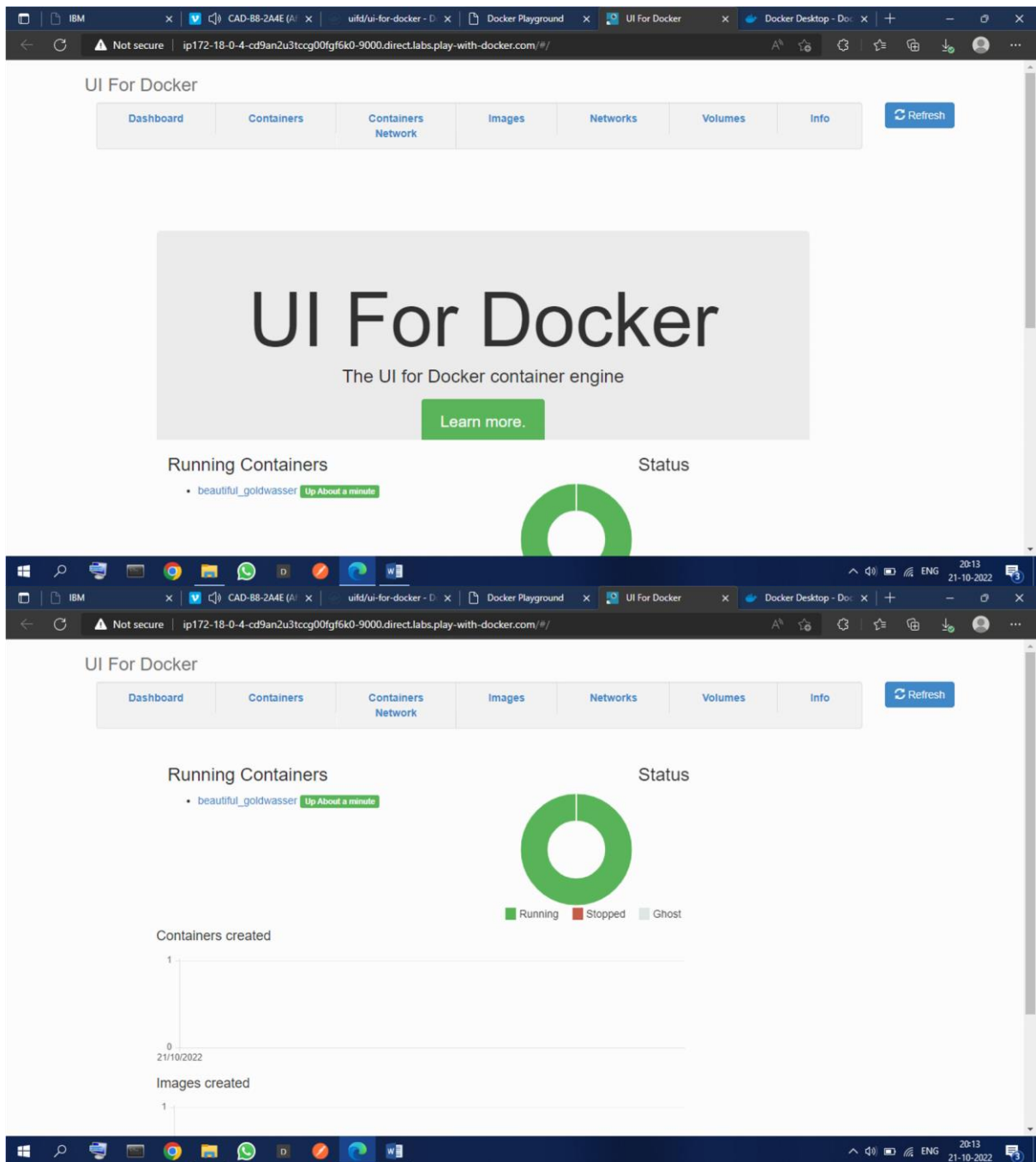
| | |
|---------------------|------------------------|
| Assignment Date | 23 October 2022 |
| Student Name | G T THARAVI SREE NISHA |
| Student Roll Number | 962219106063 |
| Maximum Marks | 2 Marks |

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

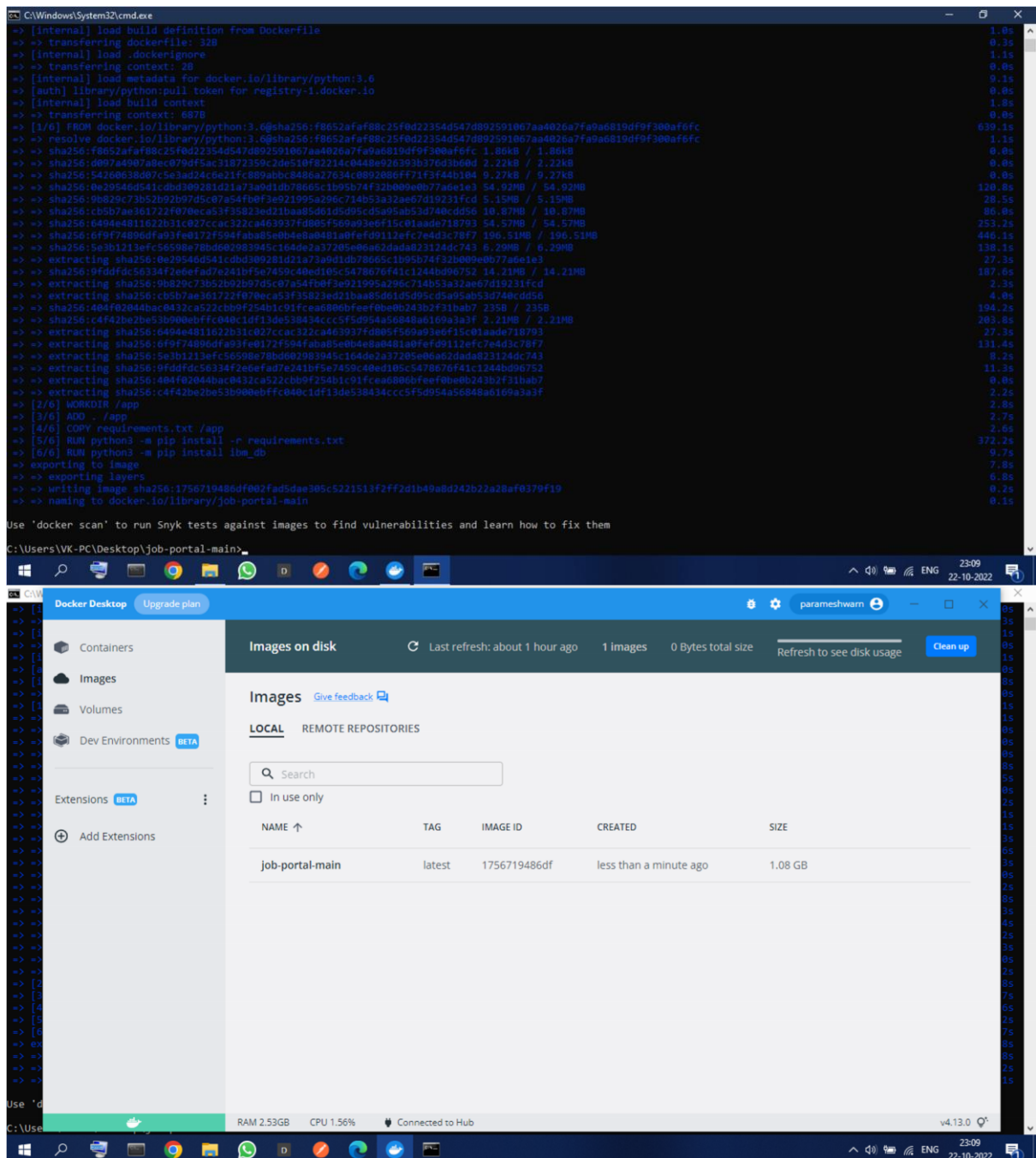
The screenshot is divided into two main horizontal sections. The top section shows the Docker Hub repository page for `uifd/ui-for-docker`. The page includes the repository name, a star icon, and a note stating "This repo is deprecated. Development continues at: [portainer/portainer](#)". A "chat on github" button is visible. The "Overview" tab is selected, showing a description: "A web interface for the Docker Remote API. The goal is to provide a pure client side implementation so it is effortless to connect and manage docker." A "Tags" section is also present. On the right, the "Docker Pull Command" is displayed as `docker pull uifd/ui-for-docker`.

The bottom section shows the Docker Playground interface. The top bar displays the session ID `cd9an2u3_cd9av060qau0008hbjs0`. Below this, the IP address `192.168.0.13` is shown, along with an "OPEN PORT" button. The "Memory" and "CPU" usage are indicated. The "SSH" section shows the command `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`. Below the SSH command, there are "DELETE" and "EDITOR" buttons. 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 FWD 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:fe371ff5a69549269b24073a5ab1244dd4c0b834cbad244870572150b1cb749
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
c590dd163101ae795bdcea0eb1ddd98f6fe549cb5f24dab9ff7c1931923fc0d
(node1) (local) root@192.168.0.13 ~
$
```

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

