

Assignment -4

Docker and Kubernetes

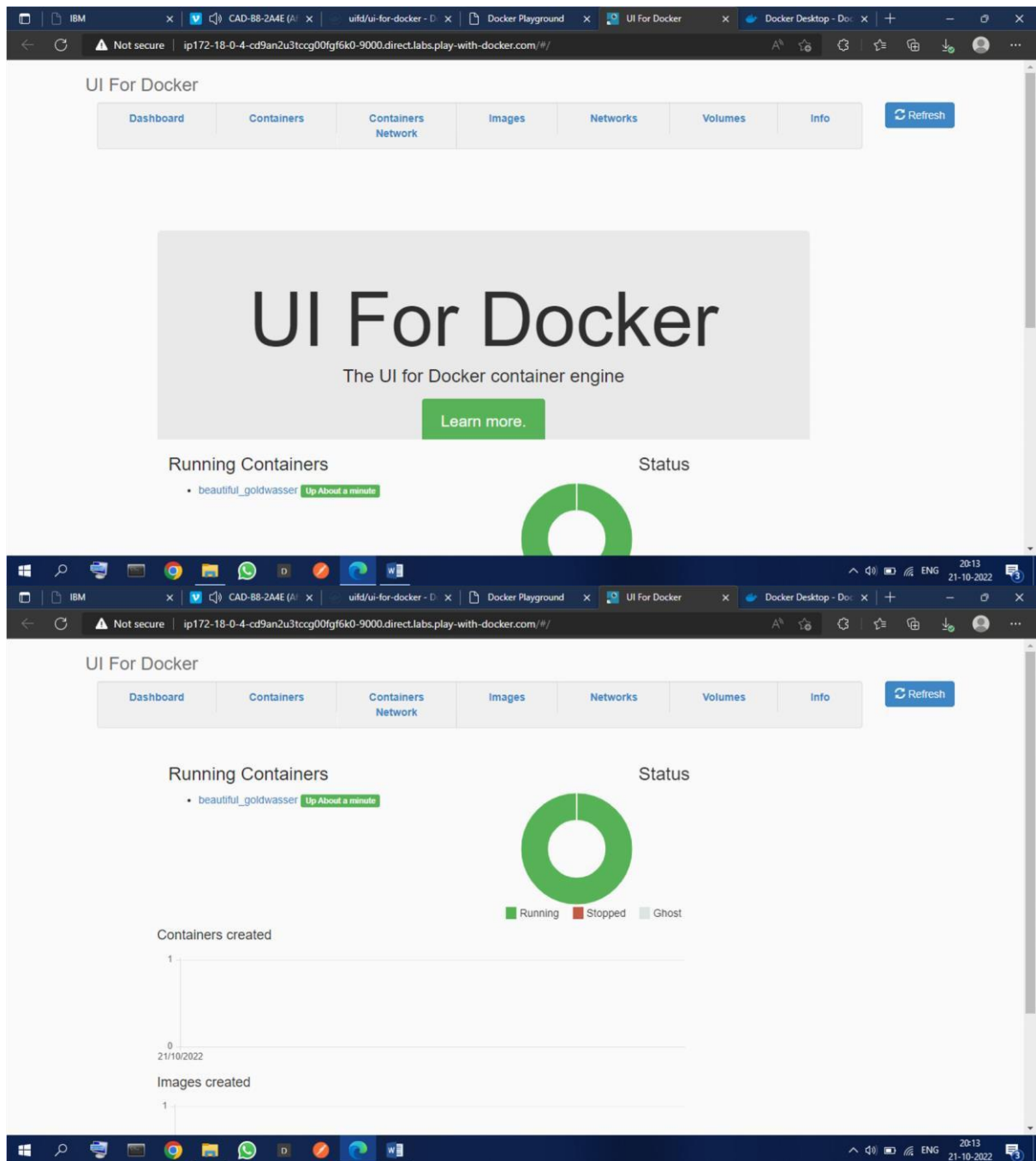
Assignment Date	23 October 2022
Student Name	Nidhin.r.s
Student Roll Number	962219104079
Maximum Marks	2 Marks

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

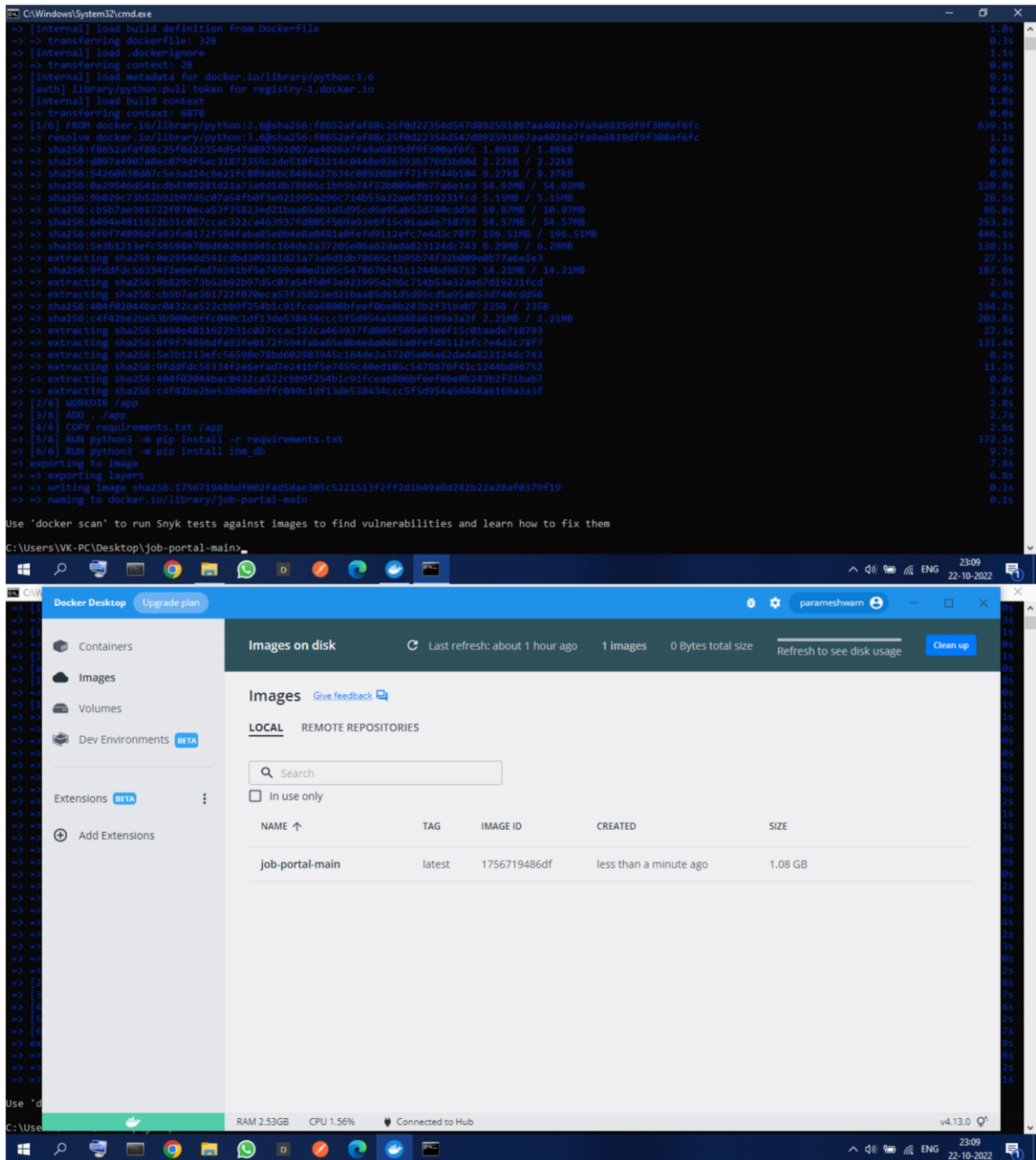
The screenshot displays two browser windows. The top window shows the Docker Hub page for the repository `uifd/ui-for-docker`. It includes the repository name, a description stating it is deprecated and to use Portainer instead, and a 'Pulls 10M+' badge. A 'UI For Docker' section mentions it is deprecated and development continues at `portainer/portainer`. A 'Goals' section describes it as a web interface for the Docker Remote API. A 'Docker Pull Command' box shows the command `docker pull uifd/ui-for-docker`.

The bottom window shows the Docker Playground interface. It displays the instance ID `cd9an2u3_cd9av060qau0008hbjs0` and the IP address `192.168.0.13`. The 'Instances' section shows a list of instances with the first one being `192.168.0.13 node1`. The 'SSH' section provides the command `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`. The 'DELETED' and 'EDITOR' buttons are visible. The terminal output shows the following commands and their results:

```
# 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: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
c590dd163101ae795bdcea0eb1dd498f6fe549cb5f24dab9ff7c1931923fc0d
(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