

Assignment -4

Docker and Kubernetes

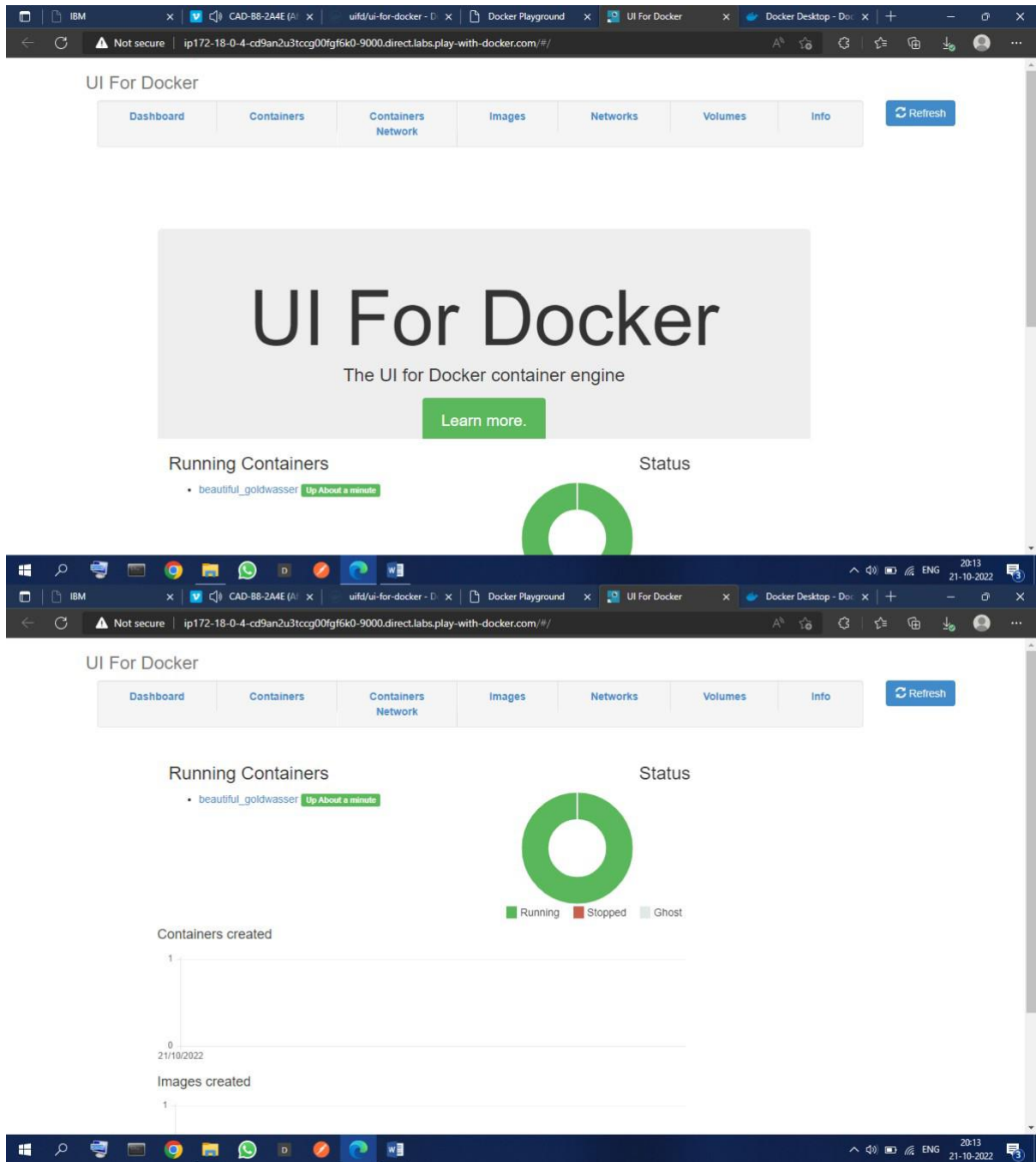
Assignment Date	19 November 2022
Student Name	ANISHAARON S
Student Roll Number	210819104009
Maximum Marks	2 Marks

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

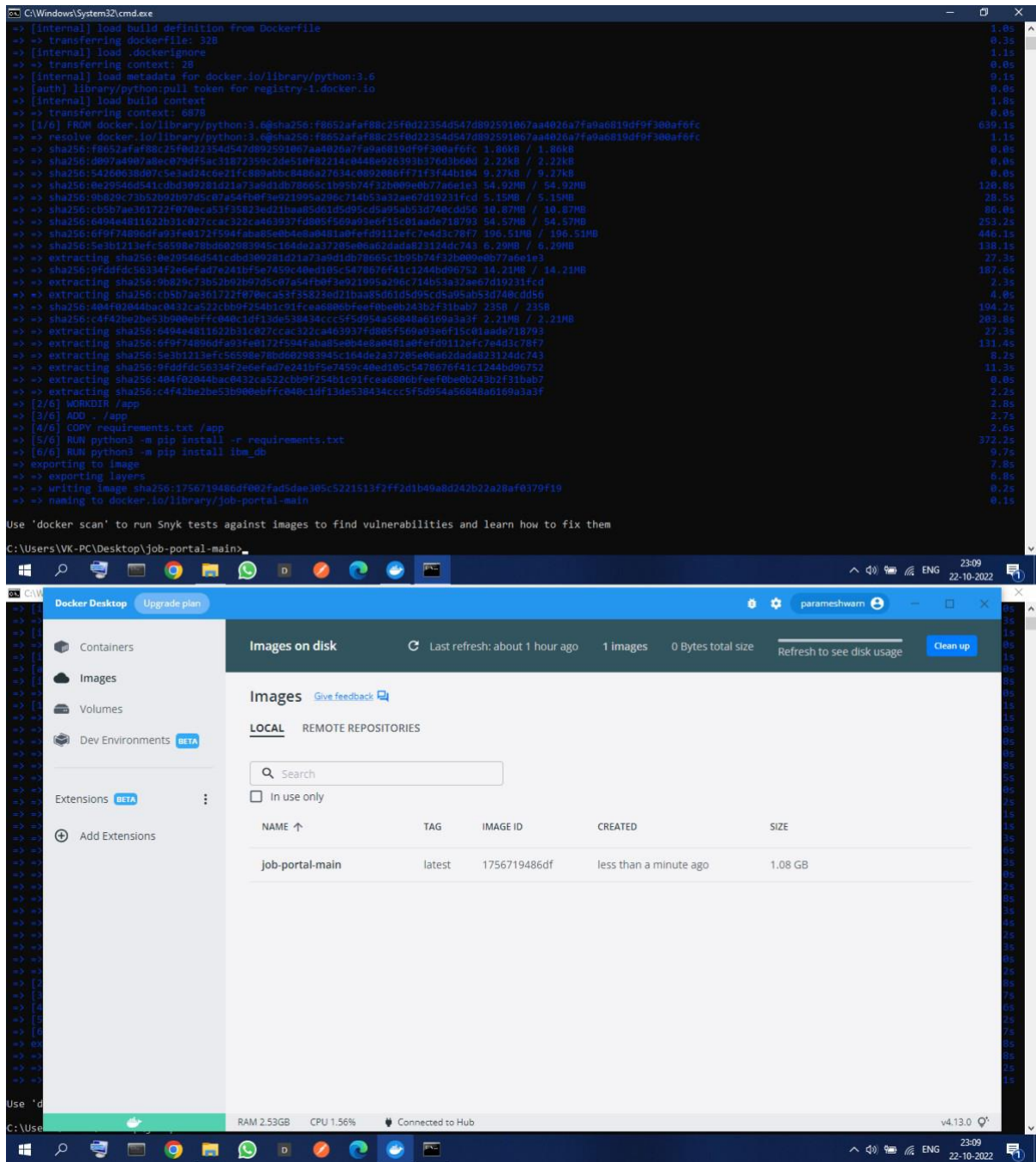
The screenshot is divided into two main horizontal sections. The top section shows the Docker Hub interface for the repository `uifd/ui-for-docker`. It includes the repository name, a star icon, and a note stating "This repo is deprecated. Development continues at: [portainer/portainer](#)". A "chat on gitter" button is visible. The "Overview" tab is selected, showing a description: "UI For Docker is 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 "Docker Pull Command" box displays the command: `docker pull uifd/ui-for-docker`.

The bottom section shows the Docker Playground interface. On the left, there's a sidebar with a timer at 03:42:30, a "CLOSE SESSION" button, and an "Instances" section with a list of instances (one instance is shown with IP 192.168.0.13 and name node1). The main area displays the details of a selected instance with ID `cd9an2u3_cd9av060qau0008hbjs0`. It shows the IP address `192.168.0.13`, an "OPEN PORT" button, and the SSH command: `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`. Below this, there are "DELETE" and "EDITOR" buttons. The bottom part of the screen shows a terminal window with the following 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. #
#####
[mode1] (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
[mode1] (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
[mode1] (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