

## Assignment -4

### Docker and Kubernetes

Assignment Date	21 October 2022
Student Name	Vijai sivam R
Student Roll Number	727719EUEC176
Maximum Marks	2 Marks

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

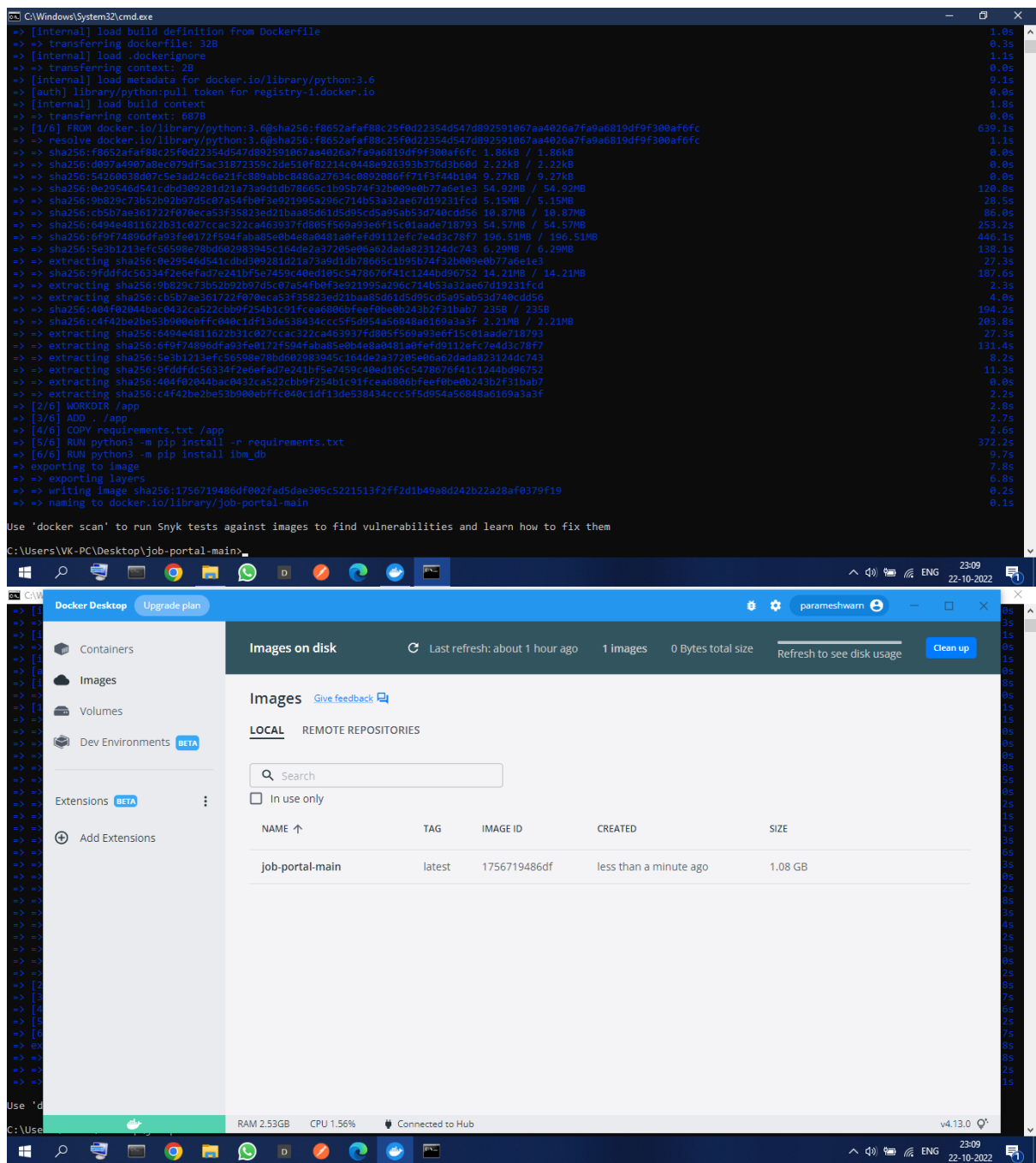
The screenshot shows a web browser with two tabs. The first tab is Docker Hub, displaying the repository page for `uifd/ui-for-docker`. The page indicates that the repository is deprecated and development continues at `portainer/portainer`. It shows a Docker Pull Command: `docker pull uifd/ui-for-docker`.

The second tab is Docker Playground, showing a session for the instance `cd9an2u3_cd9av060qau0008hbjs0`. The instance details show IP `192.168.0.13` and an SSH command: `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`. 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 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
c590dd163101ae795bdcea0eb1ddd98f6fe549cb5f24dab9ff7c1931923fc0d
[node1] (local) root@192.168.0.13 ~
```

The image displays two screenshots of the 'UI For Docker' web application interface. The top screenshot shows the 'Running Containers' section with a list of containers, including 'beautiful\_goldwasser' which is 'Up About a minute'. A 'Status' donut chart is also visible. The bottom screenshot shows the 'Containers created' and 'Images created' line graphs, both showing a count of 1 on the y-axis against a date of 21/10/2022 on the x-axis. The interface includes a navigation bar with tabs for Dashboard, Containers, Containers Network, Images, Networks, Volumes, and Info, and a 'Refresh' button.

**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