

## Assignment -4

### Docker and Kubernetes

#### 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](#)". Below this, there are tabs for "Overview" and "Tags". A "UI For Docker" section contains 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." To the right, 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 is a sidebar with a clock showing 03:42:30, a "CLOSE SESSION" button, and an "Instances" section with a list of instances (192.168.0.13, node1). The main area displays the instance details for `cd9an2u3_cd9av060qau0008hbjs0`, including its IP address (192.168.0.13), memory, CPU, and SSH command. Below this, there are "DELETE" and "EDITOR" buttons. The bottom part of the screen shows a terminal window with 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 FMD 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 ~
$
```

UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh


# UI For Docker

The UI for Docker container engine

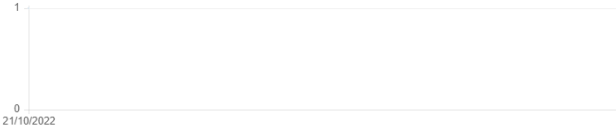
Learn more.

Running Containers Status


- beautiful\_goldwasser Up About a minute



Containers created

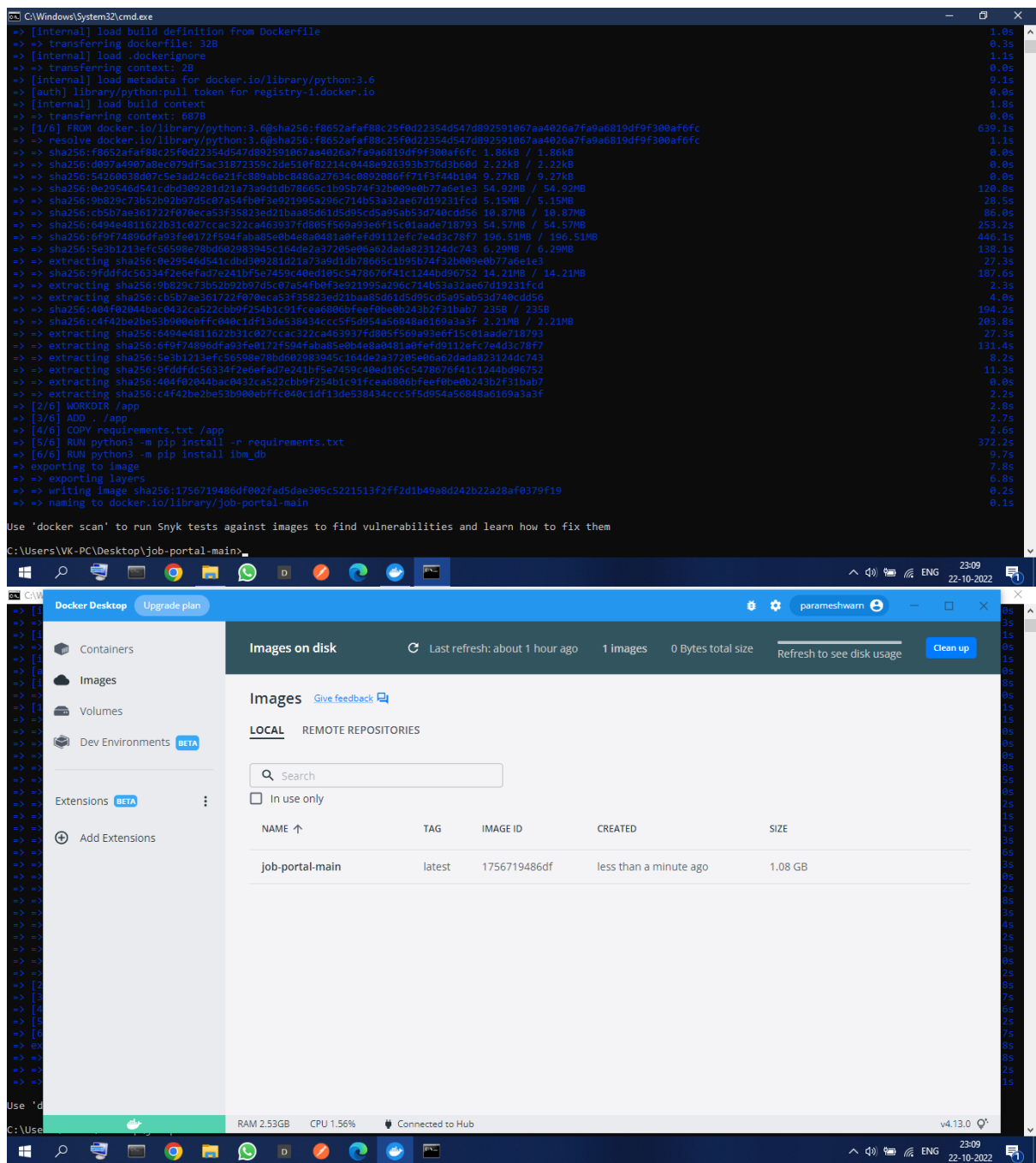


Images created



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