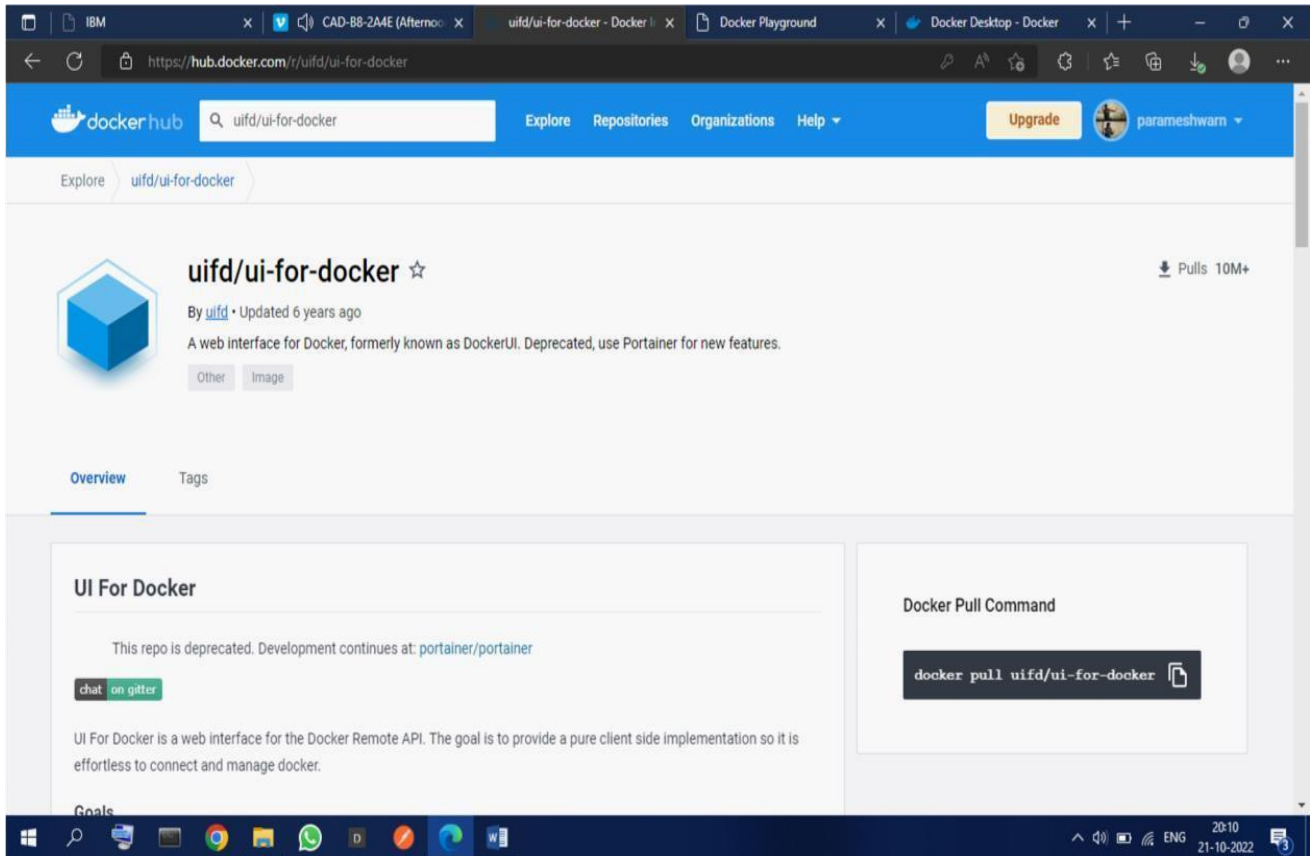


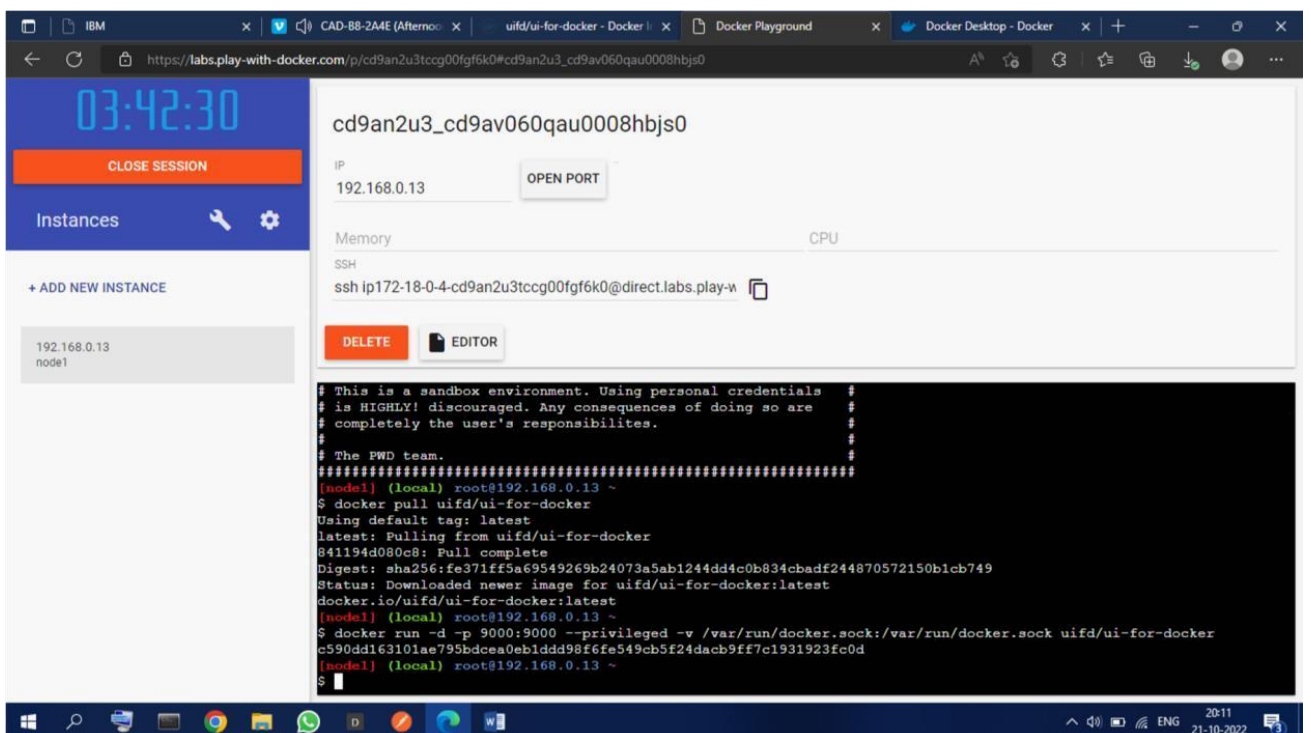
**Assignment -4**  
**Docker and Kubernetes**

Assignment Date	25 October 2022
Student Name	N.Paritha Barveen
Student Roll Number	820119104011
Maximum Marks	2 Marks

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



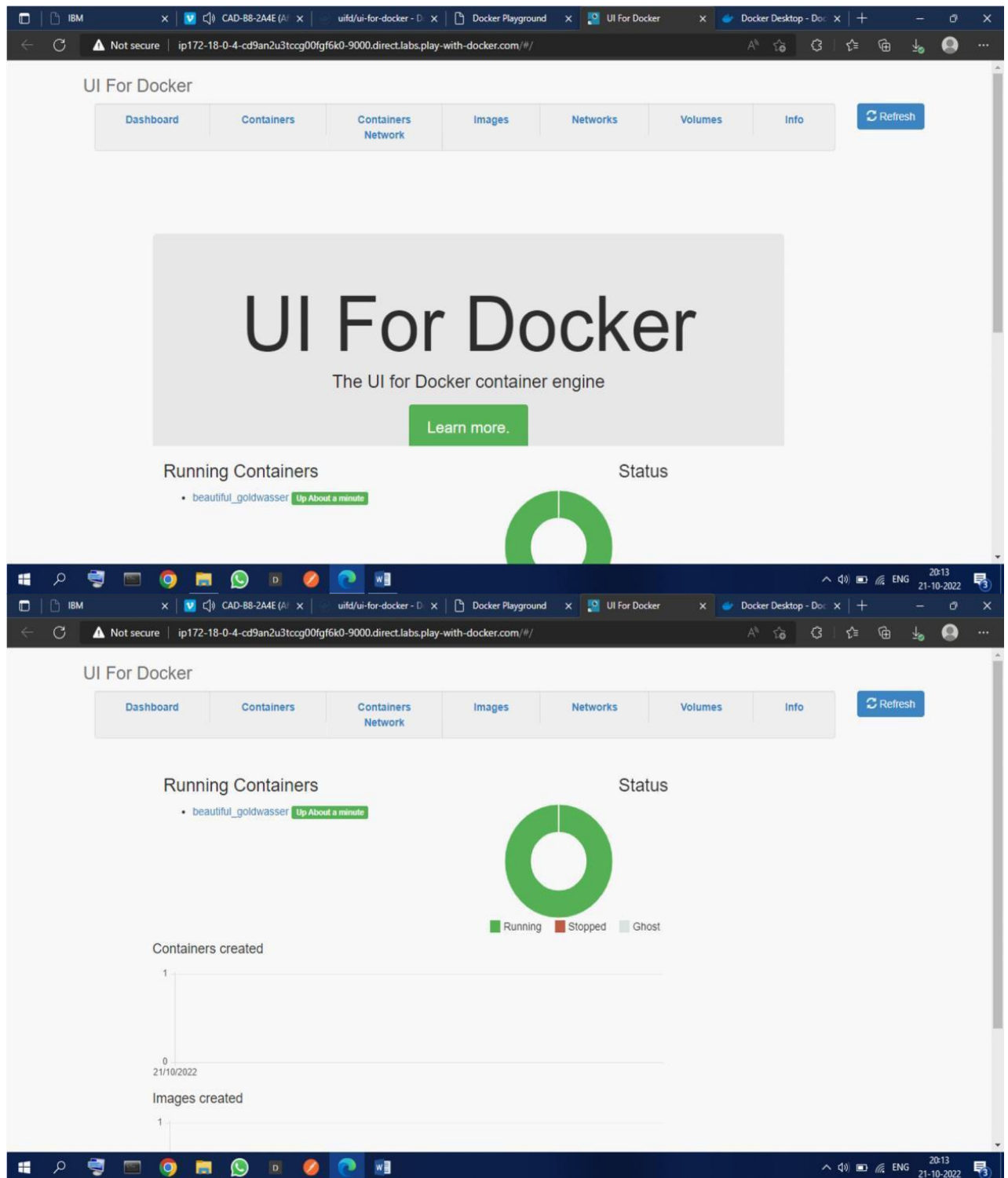
The screenshot shows the Docker Hub repository page for `uifd/ui-for-docker`. The page header includes the Docker Hub logo, a search bar with the text `uifd/ui-for-docker`, and navigation links for Explore, Repositories, Organizations, and Help. A yellow "Upgrade" button and a user profile for "parameshwari" are also visible. The repository name `uifd/ui-for-docker` is prominently displayed with a star icon and a pull count of "Pulls 10M+". Below this, it states "By uifd • Updated 6 years ago" and provides a description: "A web interface for Docker, formerly known as DockerUI. Deprecated, use Portainer for new features." There are tabs for "Other" and "Image". The "Overview" tab is selected, showing a section titled "UI For Docker" with a note that the repo is deprecated and development continues at [portainer/portainer](https://portainer.io/). A "chat on gitter" button is present. A "Goals" section is partially visible. On the right, a "Docker Pull Command" box shows the command `docker pull uifd/ui-for-docker`. The bottom of the browser window shows a Windows taskbar with various application icons and a system tray with the date 20:10 and 21-10-2022.



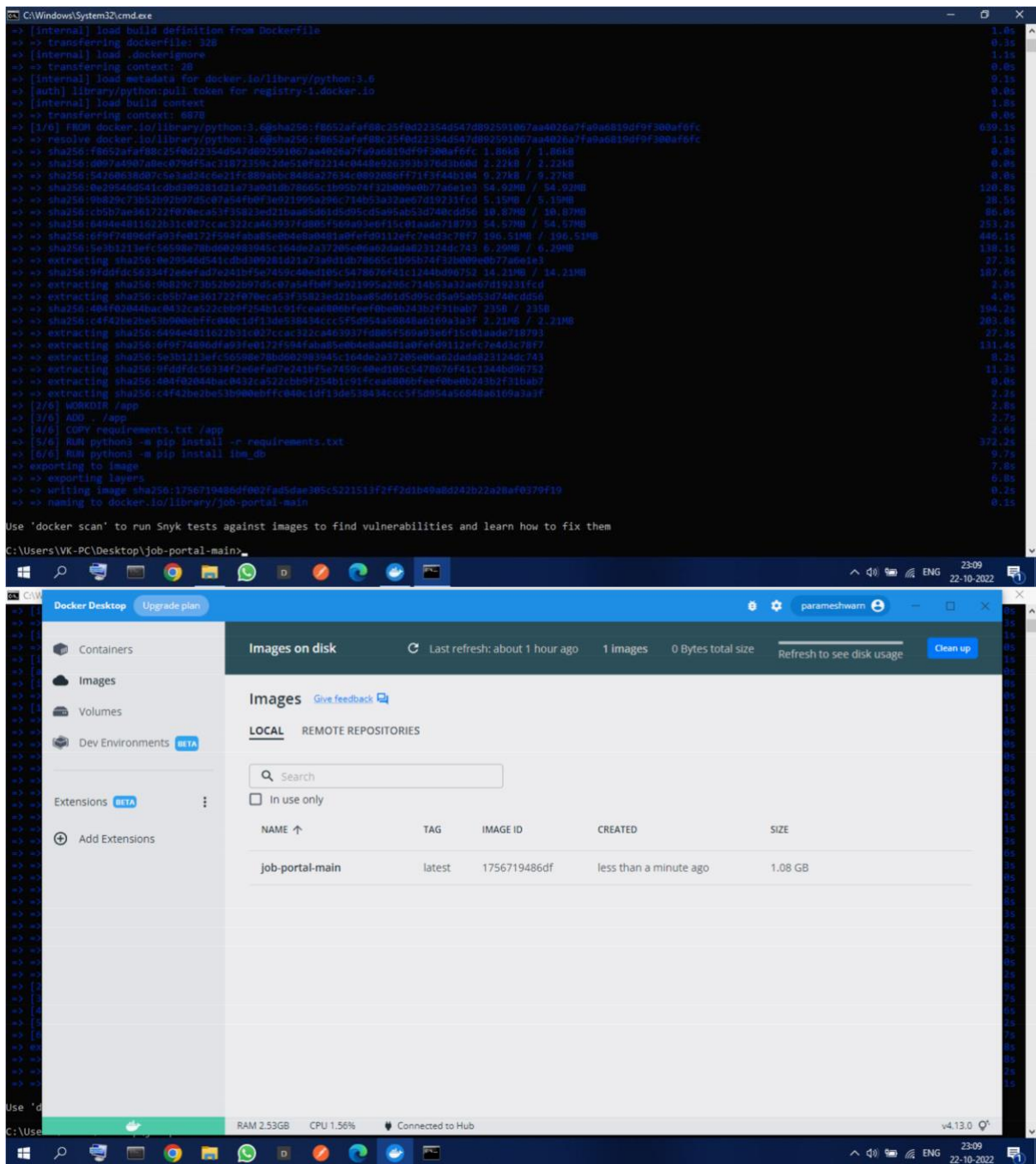
The screenshot shows the Docker Playground interface. On the left, there's a sidebar with a digital clock showing 03:42:30, a "CLOSE SESSION" button, and a section for "Instances" with a "+ ADD NEW INSTANCE" button. Below this, a list of instances shows one instance with IP 192.168.0.13 and name "node1". The main area displays details for the selected instance `cd9an2u3_cd9av060qau0008hbjs0`. It shows the IP address 192.168.0.13, a button to "OPEN PORT", and fields for Memory and CPU. An SSH command is provided: `ssh ip172-18-0-4-cd9an2u3tccg00fgf6k0@direct.labs.play-w`. There are "DELETE" and "EDITOR" buttons. Below this, a terminal window shows the execution of the following commands:

```
# This is a sandbox environment. Using personal credentials #  
# is HIGHLY! discouraged. Any consequences of doing so are #  
# completely the user's responsibilities. #  
# #  
# The PWD 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 bottom of the browser window shows a Windows taskbar with various application icons and a system tray with the date 20:11 and 21-10-2022.



**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