

Assignment -4

Docker and Kubernetes

Assignment Date	21 October 2022
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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 indicates that the repository is deprecated and suggests using `Portainer` for new features. The page shows the repository was updated 6 years ago and has over 10M pulls. A 'Docker Pull Command' box displays 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 interface includes buttons for 'CLOSE SESSION', 'OPEN PORT', 'DELETE', and 'EDITOR'. A terminal window is open, showing the execution of the `docker pull` command and the subsequent `docker run` command to start the container. The terminal output shows the image being pulled from Docker Hub and the container starting successfully.

```
# 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
c590d41f3101ac795bdeea0eb1dd498f6fe549cb5f24dab9ff7c1931923fc0d
[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.

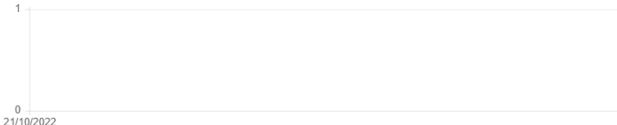
Running Containers

- beautiful_goldwasser Up About a minute

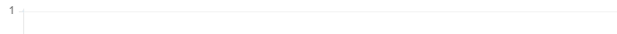
Status



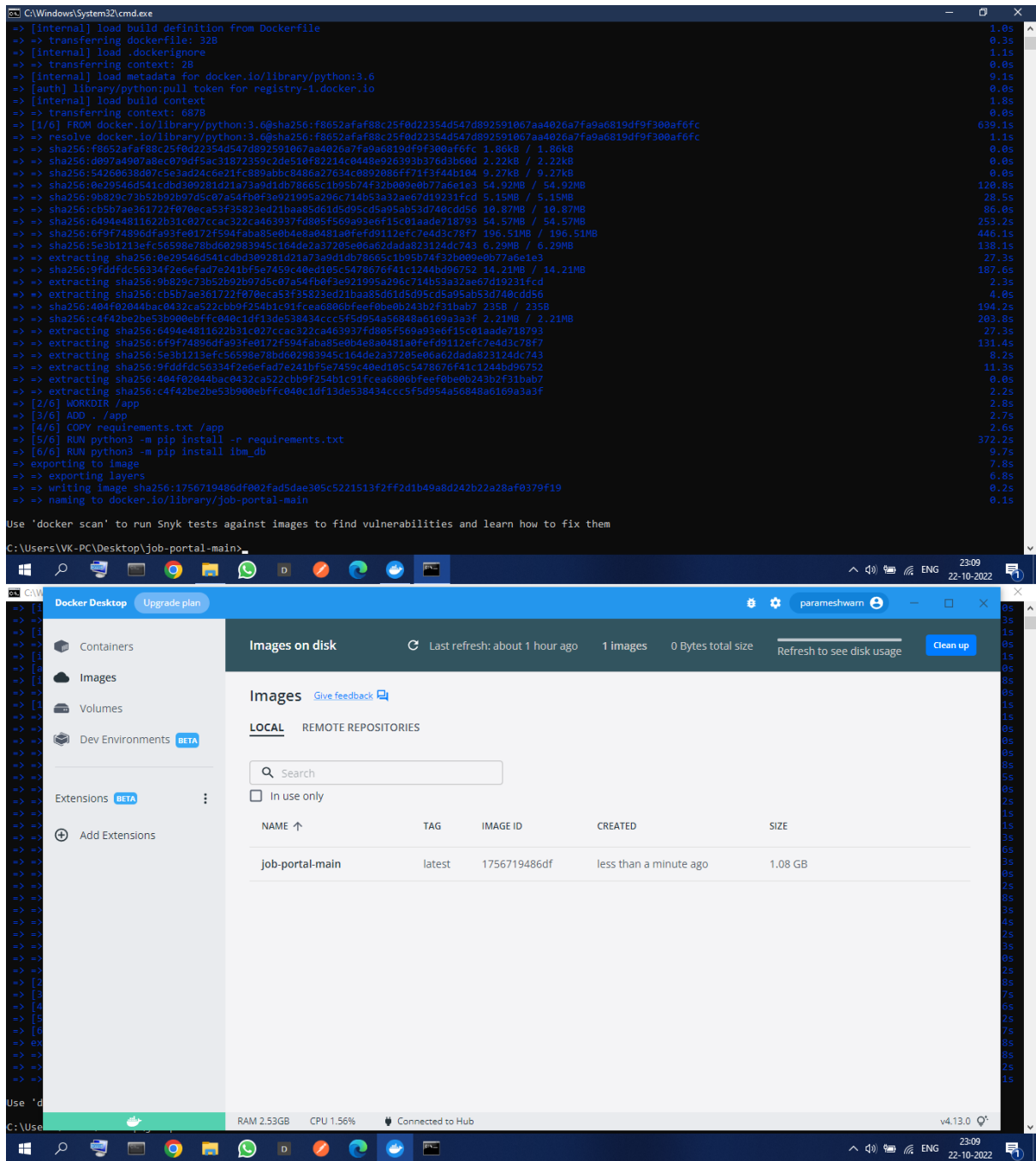
Containers created



Images created



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