

Assignment-4

Assignment Date	29 October 2022
Student Name	Balasubramanian R
Student Roll Number	211419104038
Maximum Marks	2 Marks

Question:

1. Pull an Image from docker hub and run it in docker playground.

03:38:03

CLOSE SESSION

Instancesbui seti

+ ADD NEW INSTANCE

192.168.0.28
node1

cduihke3_cdiuofm0qau000fq8s20

IP
192.168.0.28

OPEN PORT
9000

Memory
2.29% (91.5MIB / 3.906GIB)

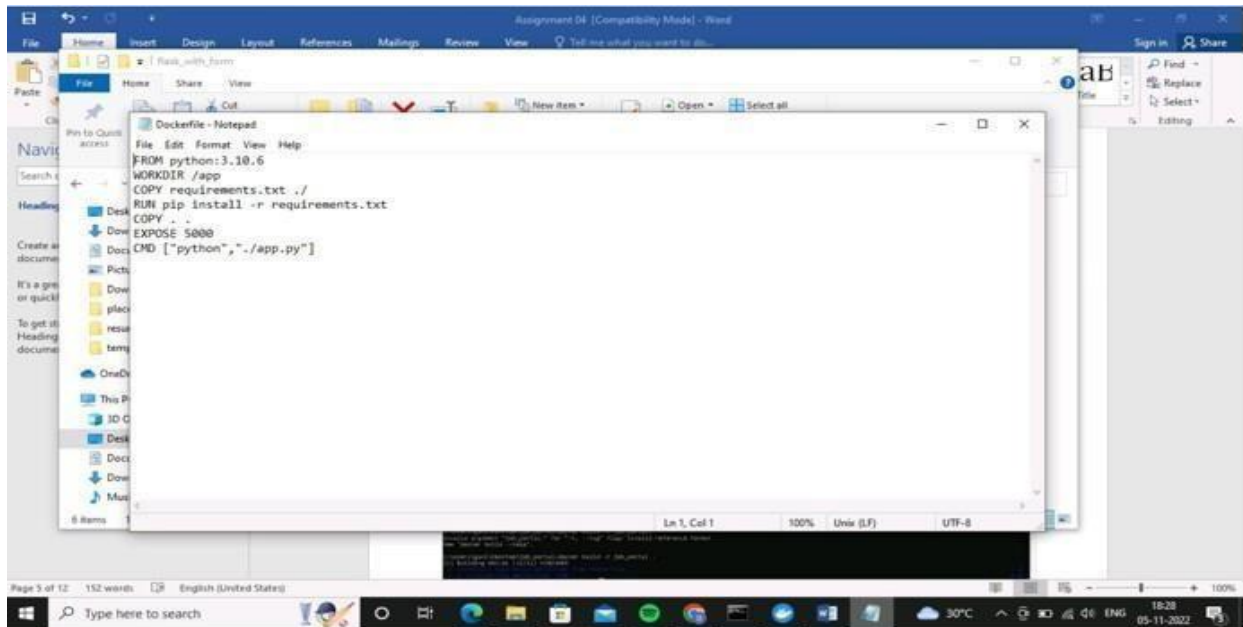
CPU
0.68%

SSH
ssh ip172-18-0-8-cduihke3tccg008jlpdg@direct.labs.play-wit content_copy

DELETEinsert

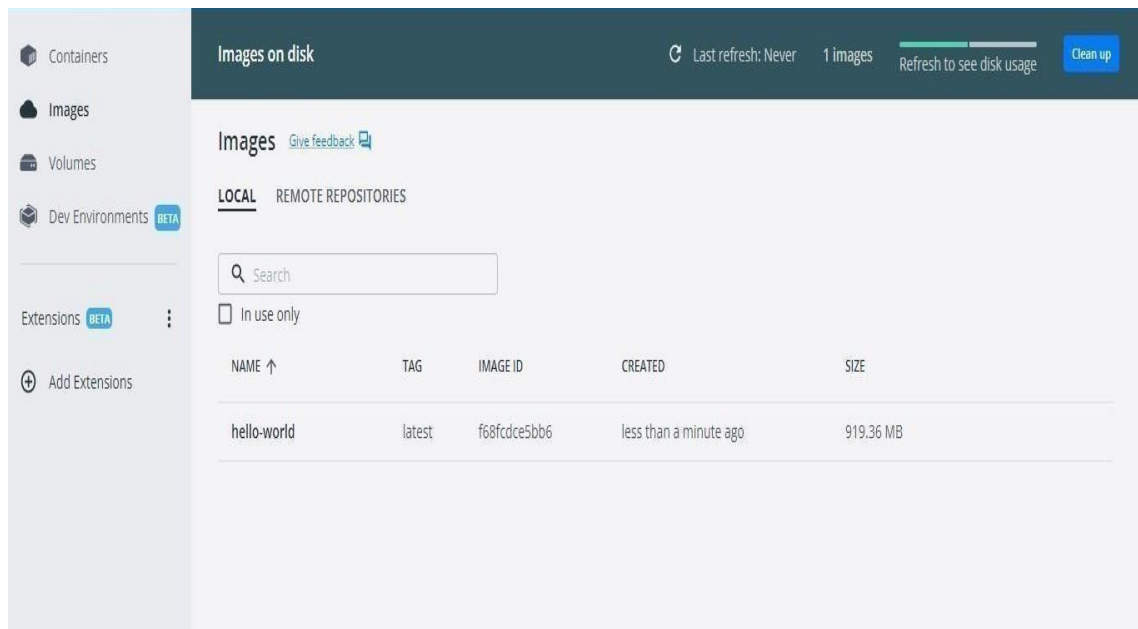
```
# The PWD team. #
#####
[node1] (local) root@192.168.0.28 ~
$ docker pull registry
Using default tag: latest
latest: Pulling from library/registry
213ec9aee27d: Pull complete
4583459ba037: Pull complete
6f6a6c5733af: Pull complete
b136d5c19b1d: Pull complete
fd4a5435f342: Pull complete
Digest: sha256:2e830e8b682d73alb70cac4343a6a541a87d5271617841d87eeb67a824a5b3f2
Status: Downloaded newer image for registry:latest
docker.io/library/registry:latest
[node1] (local) root@192.168.0.28 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock registry
7a5d897ecb6fbac91b8c46b3bb8e45510584a8ea2a26388cd65e9d5e295d2001
[node1] (local) root@192.168.0.28 ~
$
```

2. Create a docker file for the job portal application and deploy it indocker desktop application.





3. Create a IBM container registry and deploy hello world app or job portal app.



4. Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.

