

## Assignment-4

Assignment Date	29 October 2022
Student Name	Arun Kumar M
Student Roll Number	211419104024
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

IP192.168.0.28OPEN PORT9000

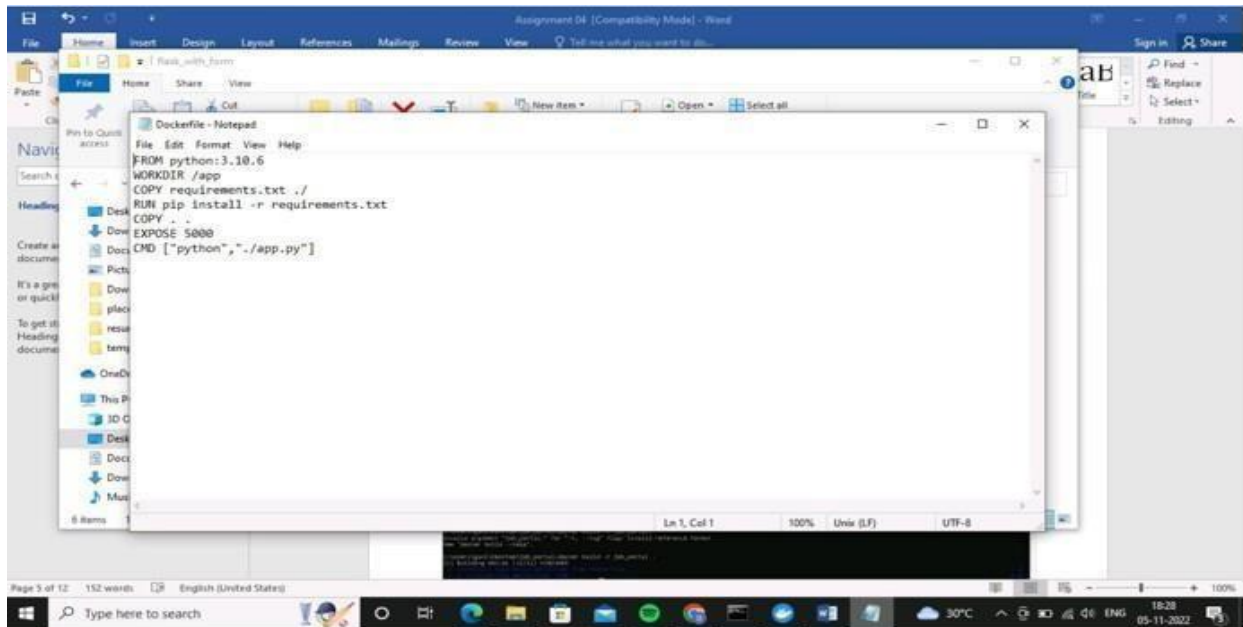
Memory2.29% (91.5MiB / 3.906GiB)CPU0.68%

SSHssh ip172-18-0-8-cduihke3tccg008jlpdg@direct.labs.play-wit content\_copy

DELETEinsert

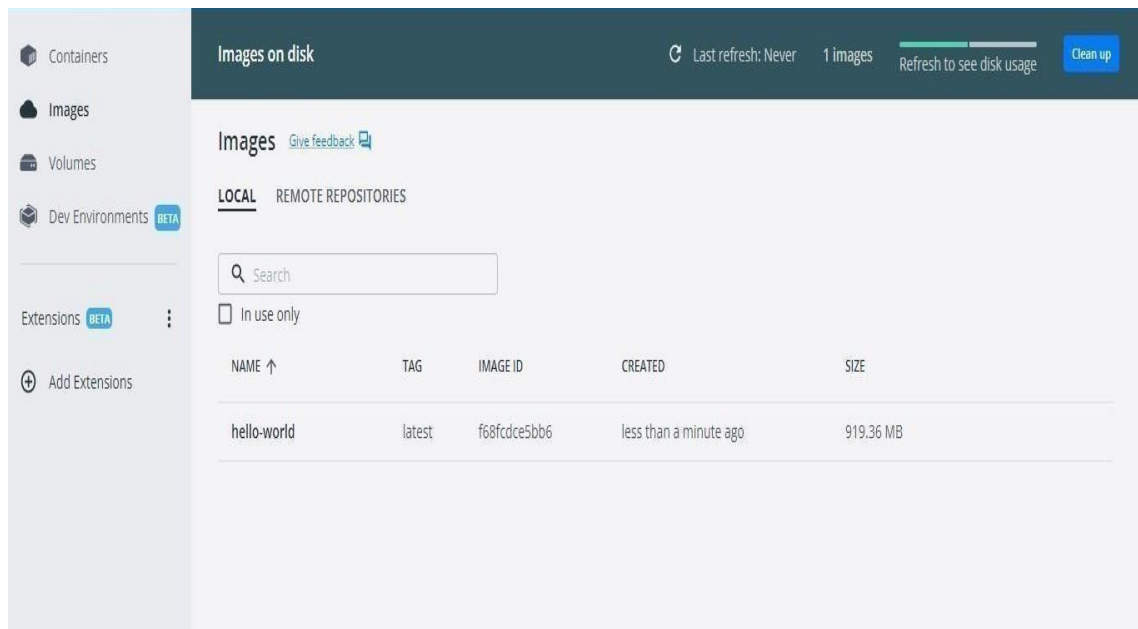
```
# The PWD team. #
#####
[node1] (local) root@192.168.0.28 ~
$ docker pull registry
Using default tag: latest
latest: Pulling from library/registry
213ec9aee27d: Pull complete
4583459ba037: Pull complete
6f6a6c5733af: Pull complete
b136d5c19b1d: Pull complete
fd4a5435f342: Pull complete
Digest: sha256:2e830e8b682d73alb70cac4343a6a541a87d5271617841d87eeb67a824a5b3f2
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.

