

TEAM ICONIC

ASSIGNMENT-IV

TEAM MEMBERS NAME:

1.NANDHINI M

2.NITHYA SRI V

3.PAVITHRADEVI S



4.PREETHI L

Question 1:

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

03:56:48


CLOSE SESSION

Instances  

+ ADD NEW INSTANCE


192.168.0.8
node1


cdmgpie0_cdmgqk791rrg009jd1q0

IP
192.168.0.8 

Memory
1.10% (44.06MiB / 3.906GiB)

CPU
7.62%



SSH
ssh ip172-18-0-71-cdmgpie0qau000cummr0@direct.labs.pl. 

DELETE  EDITOR

```
# WARNING!!!!  
# This is a sandbox environment. Using personal credentials  
# is HIGHLY discouraged. Any consequences of doing so are  
# completely the user's responsibility.  
#  
# The FWD team.  
#####  
[node1] (local) root@192.168.0.8 ~  
$ docker pull hello-world  
Using default tag: latest  
latest: Pulling from library/hello-world  
22b29710123a: Pull complete  
Digest: sha256:faa03a786c97f07af34423fccccaaac2398ac8a5759259f94d99078f264a9d7af  
Status: Downloaded newer image for hello-world:latest  
docker.io/library/hello-world:latest  
[node1] (local) root@192.168.0.8 ~  
$
```

03:53:36

CLOSE SESSION

Instances  

+ ADD NEW INSTANCE

192.168.0.8
node1


cdmgpie0_cdmgqk791rrg009jd1q0

IP
192.168.0.8

OPEN PORT

Memory
1.18% (47.26MiB / 3.906GiB)

CPU
0.02%

SSH
ssh ip172-18-0-71-cdmgpie0qau000cummr0@direct.labs.pl 

DELETE EDITOR

```

Digest: sha256:faa03e786c97f07ef34423fccccccc2398ec8a5759259f94d99078f264e9d7af
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
(node1) (local) root@192.168.0.8 ~
$ docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.



To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

```

Show desktop

03:52:51

CLOSE SESSION

Instances  

+ ADD NEW INSTANCE

192.168.0.8
node1


cdmgpie0_cdmgqk791rrg009jd1q0

IP
192.168.0.8

OPEN PORT

Memory
1.19% (47.6MiB / 3.906GiB)

CPU
0.78%

SSH
ssh ip172-18-0-71-cdmgpie0qau000cummr0@direct.labs.pl 

DELETE EDITOR

```

(amd64)
3. The Docker daemon created a new container from that image which runs the
executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

(node1) (local) root@192.168.0.8 ~
$ 

```

Question 2:

Create a docker file for the job portal application and deploy it in Docker Desktop Application

FROM

hello-world:

latest

WORKDIR

~/Desktop/

ADD .

helloworld/

WORKDIR

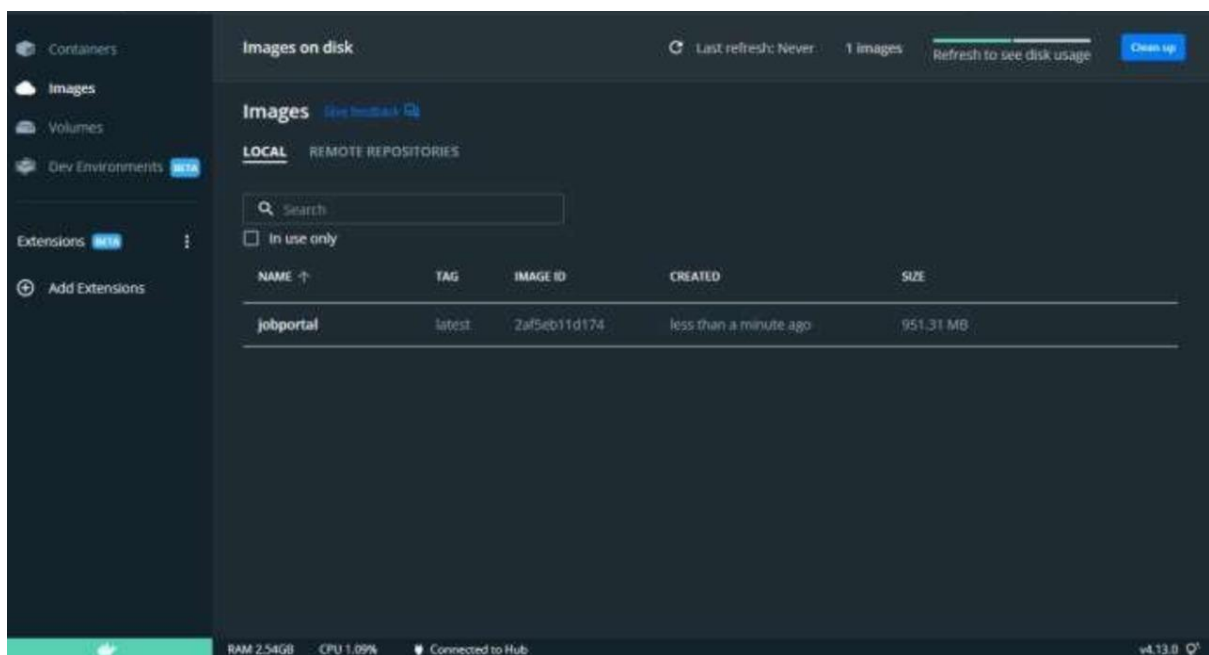
~/Desktop/htmlfile

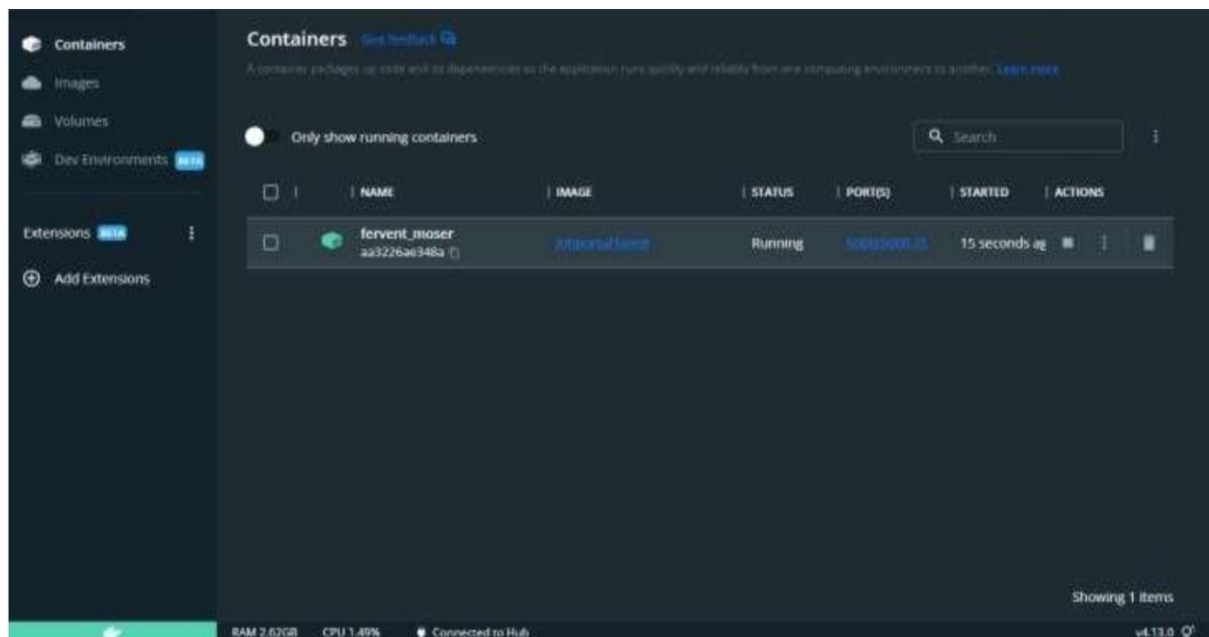
RUN pip install -r

requirements RUN

chmod +x app.sh

CMD["/bin/sh","app.s"]





Question 3:

Create an IBM container registry and deploy helloworld app or Job portal app.

```
PS C:\Users\HP> docker tag hello-world icr.io/0034ns/helloworld
PS C:\Users\HP> docker push icr.io/0034ns/helloworld
Using default tag: latest
The push refers to repository [icr.io/0034ns/helloworld]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
```

Question 4:

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

