

TEAM ICONIC

ASSIGNMENT-IV

TEAM MEMBERS NAME:

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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  OPEN PORT

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 SWD team.
#####
[node1] (local) root@192.168.0.8 ~
$ docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2d429716123ac: Pull complete
Digest: sha256:faa03e786c97f07ef34423f000000000000000000000000000000000000000000
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:faa03e786c97f07ef34423f000000000000000000000000000000000000000000
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



Question 2:

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

FROM

helloworld:

latest

WORKDIR

~/Desktop

ADD .

helloworld/

WORKDIR

~/Desktop/htmlfile

RUN pip install -r

requirements RUN

chmod +x app.sh

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

Containers

Images

Volumes

Dev Environments

Extensions

Add Extensions

Images on disk

Last refresh: Never · 1 Images · Refresh to see disk usage · [Clean up](#)

Images

[Get feedback](#)

LOCAL · REMOTE REPOSITORIES

☐ In use only

NAME ↑	TAG	IMAGE ID	CREATED	SIZE
jobportal	latest	2af5eb11d174	less than a minute ago	951.31 MB

RAM 2.54GB · CPU 1.09% · Connected to Hub · v4.13.0

Containers

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Add Extensions

Containers

[Get feedback](#)

A container packages up code with its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

☐ Only show running containers

	NAME	IMAGE	STATUS	PORTS	STARTED	ACTIONS
<input type="checkbox"/>	<div>fervent_moser</div> <div>aa3226ae348a</div>	ntactonline	Running	5000:8000	15 seconds ago	<div></div>

Showing 1 items

RAM 2.62GB · CPU 1.49% · Connected to Hub · v4.13.0

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.

