ASSIGNMENT-4

Assignment Date	07 November 2022
Student Name	Glara Pushpam G
Student Register Number	950819104016
Maximum Marks	2 Marks

Question 1:

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

```
PS C:\Windows\system32> docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Image is up to date for hello-world:latest
docker.io/library/hello-world:latest
PS C:\Windows\system32>
```

Question 2:

Create a docker file for the job portal application and

deploy it inDockerDesktop Application

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mlfile

RUN pip install -rrequirements RUNchmod +x app.sh

CMD ["/bi n/sh","app.sh"]

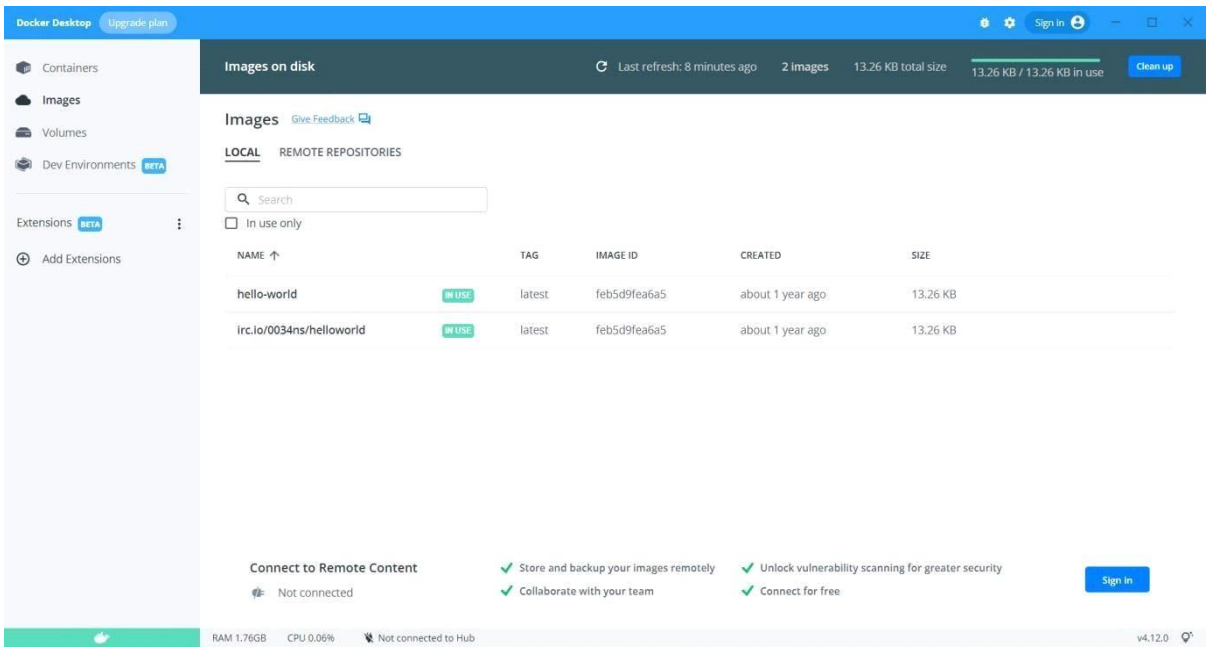
```
PS C:\Users\HP> docker tag hello-world icr.io/0034ns/helloworld
PS C:\Users\HP> docker push icr.io/0034ns/helloworld
Using default tag: latest
The push refers to repository [icr.io/0034ns/helloworld]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4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

Question 3:

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

Question 4:

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


Docker Desktop
Upgrade plan
Sign in
Containers
Images
Volumes
Dev Environments
BETA
Extensions
BETA
Add Extensions
Images on disk
Last refresh: 8 minutes ago
2 images
13.26 KB total size
13.26 KB / 13.26 KB in use
Clean up
Images
Give Feedback
LOCAL
REMOTE REPOSITORIES
Search
In use only
NAME
TAG
IMAGE ID
CREATED
SIZE
hello-world
IN USE
latest
feb5d9fea6a5
about 1 year ago
13.26 KB
irc.io/0034ns/helloworld
IN USE
latest
feb5d9fea6a5
about 1 year ago
13.26 KB
Connect to Remote Content
Not connected
Store and backup your images remotely
Collaborate with your team
Unlock vulnerability scanning for greater security
Connect for free
Sign in
RAM 1.76GB
CPU 0.06%
Not connected to Hub
v4.12.0