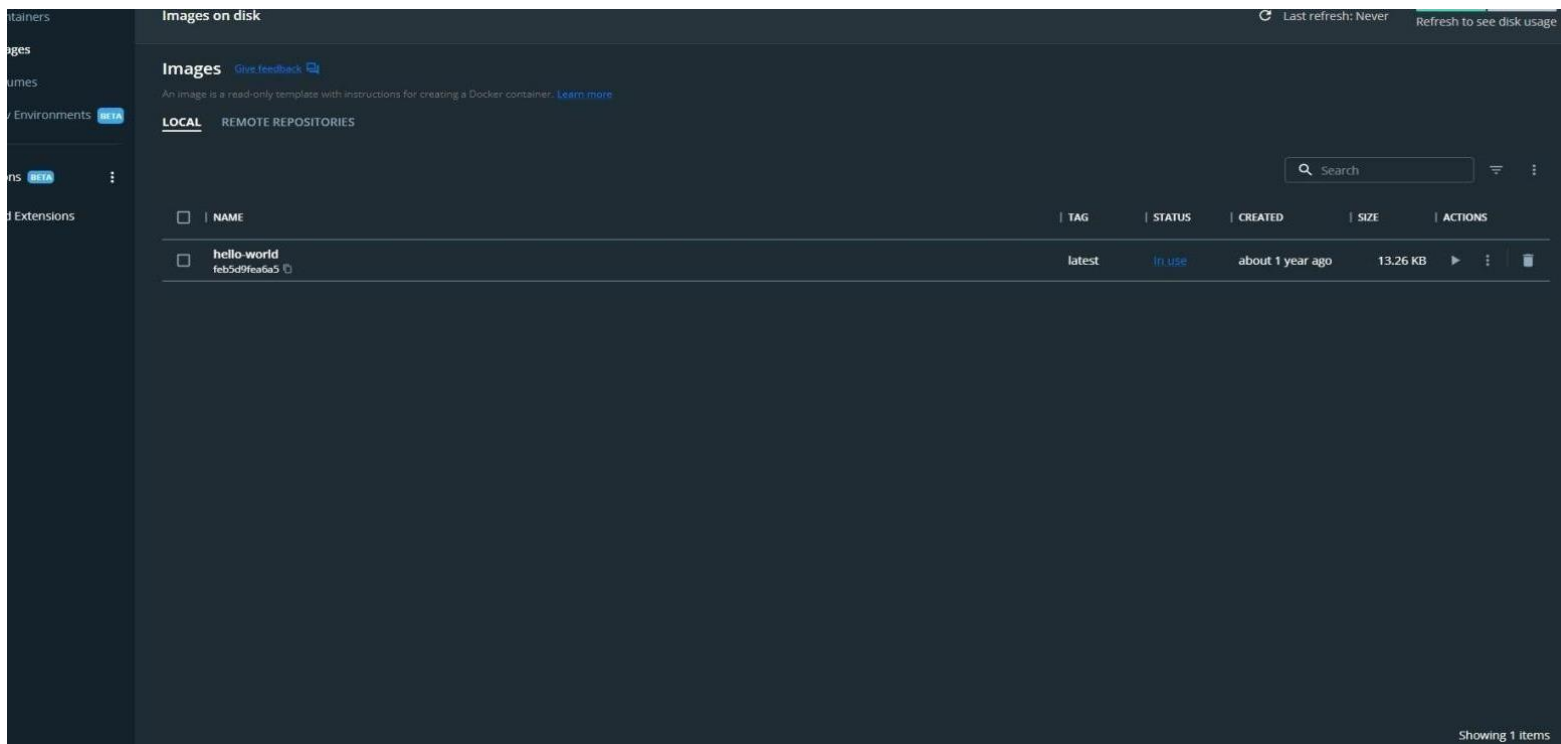


ASSIGNMENT – 4

Date	11 NOV 2022
Name	I.SATHIYA PRIYA
Team ID	PNT2022TMID7822
Project Name	Nutrition Assistant Application

Question 1:

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



03:58:57

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.8
node1

cdjr6g79_cdjr6kf91rrg00fv72f0

IP
192.168.0.8

OPEN PORT

Memory

CPU

SSH
ssh ip172-18-0-23-cdjr6g791rrg00fv72eg@direct.labs.play-w

DELETE

EDITOR

```
#####
#                               #
#   WARNING!!!!                #
#   This is a sandbox environment. Using personal credentials         #
#   is HIGHLY! discouraged. Any consequences of doing so are         #
#   completely the user's responsibilities.                            #
#   The FWD team.                                                     #
#####
[node1] (local) root@192.168.0.8 ~
$ docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
[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 helloworld:latest

WORKDIR ~/Desktop/

ADD . helloworld/

WORKDIR

~/Desktop/htmlfile RUN pip

install -r requirements RUN

chmod +x app.sh

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

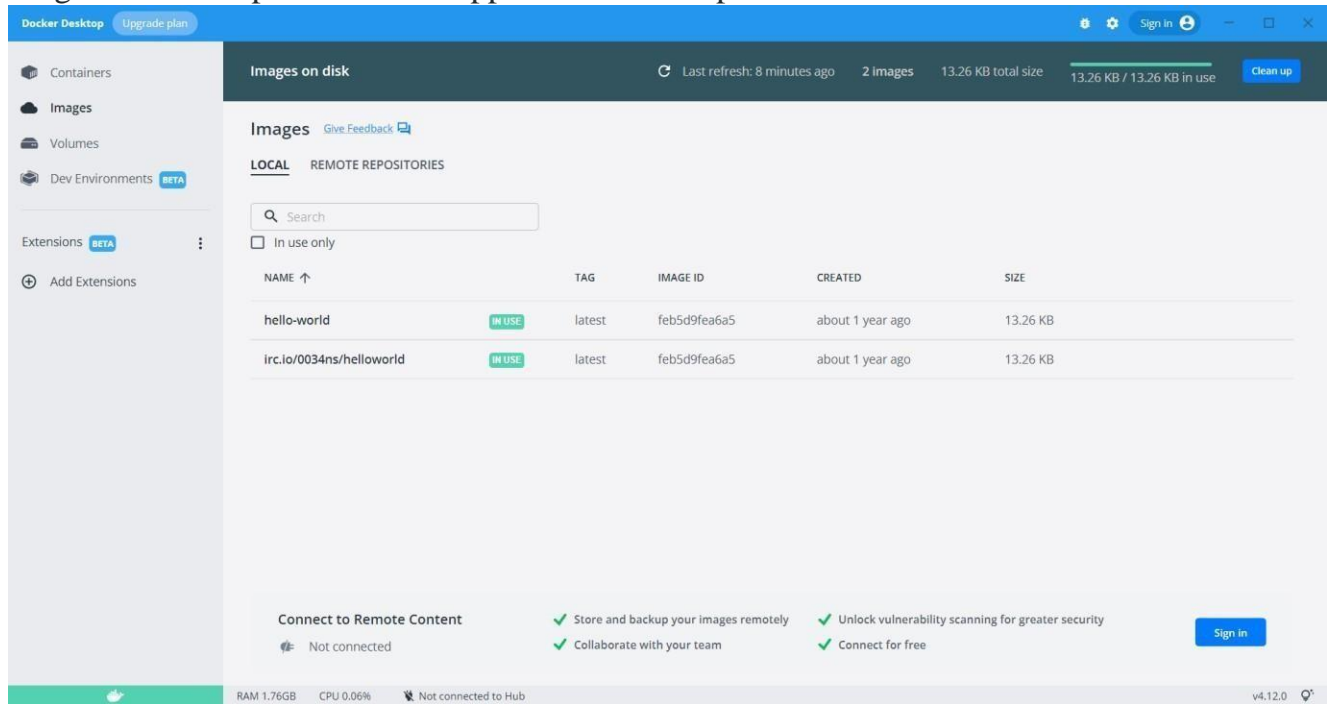
Question 3:

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.



The screenshot shows the Docker Desktop application window. The left sidebar contains navigation options: Containers, Images, Volumes, Dev Environments (marked BETA), Extensions (marked BETA), and Add Extensions. The main panel is titled 'Images on disk' and shows a list of local images. The 'LOCAL' tab is selected, displaying a table with columns: NAME, TAG, IMAGE ID, CREATED, and SIZE. Two images are listed: 'hello-world' and 'icr.io/0034ns/helloworld', both with the 'latest' tag and a size of 13.26 KB. The status 'IN USE' is shown for both. At the bottom, there is a section for 'Connect to Remote Content' with options to store and backup images remotely, unlock vulnerability scanning, and collaborate with a team. A 'Sign in' button is present. The bottom status bar shows RAM usage (1.76GB), CPU usage (0.06%), and a connection status 'Not connected to Hub'.

NAME	TAG	IMAGE ID	CREATED	SIZE
hello-world	latest	feb5d9fea6a5	about 1 year ago	13.26 KB
icr.io/0034ns/helloworld	latest	feb5d9fea6a5	about 1 year ago	13.26 KB

