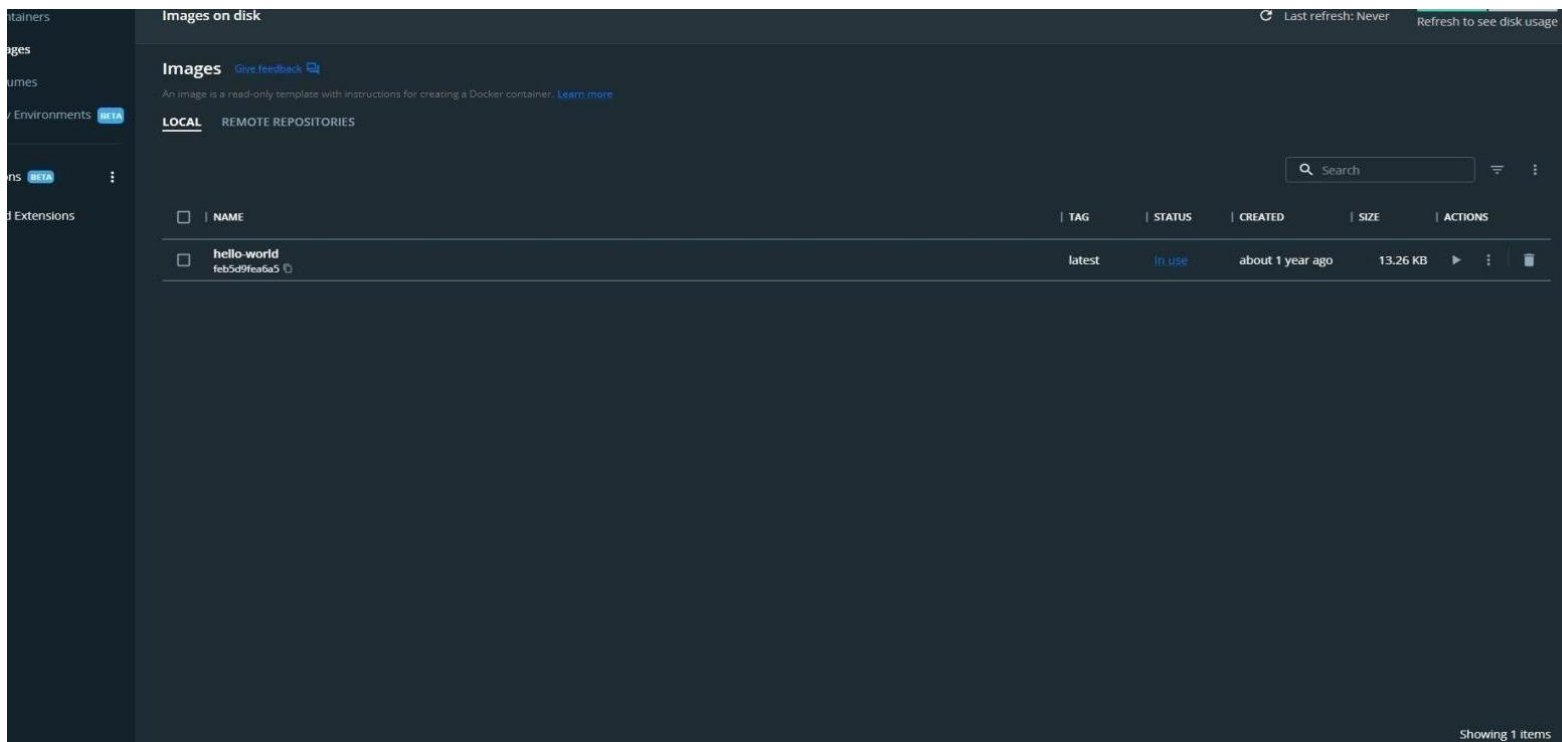


## ASSIGNMENT – 4

<b>Date</b>	14 NOVEMBER 2022
<b>Name</b>	ASHWINI M
<b>Team ID</b>	PNT2022TMID28040
<b>Project Name</b>	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 PWD 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.

