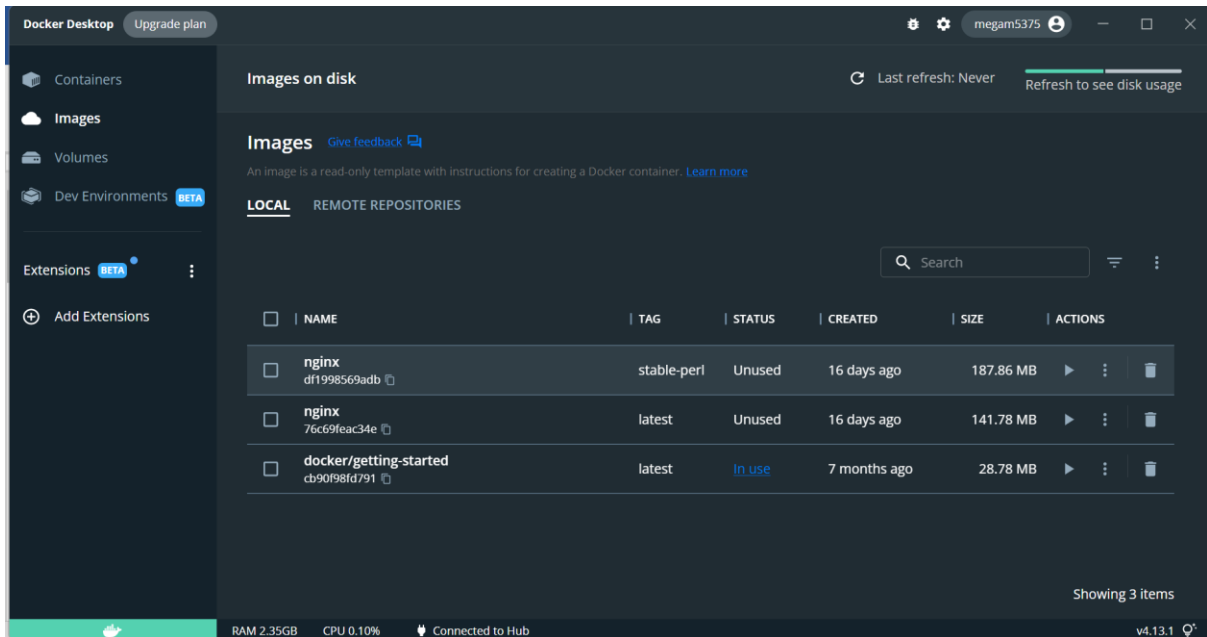


## Assignment-4

Team ID	PNT2022TMID02938
Project Name	Nutrition assistant application

- 1) Pull an image from docker hub and run it in the docker playground.



- 2) Create a docker file for the jobportal application and deploy it in the docker desktop application

```
1 FROM python:3.8-buster
2
3 WORKDIR /app
4
5 COPY requirements.txt /app/
6
7 RUN pip install -r requirements.txt
8
9 COPY . /app/
10
11 RUN cp .env.dev.sample .env
12
13 EXPOSE 8000
14
15 RUN chmod +x entrypoint.sh
16
17 CMD ["sh", "entrypoint.sh"]
```

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

## Containers

[Give feedback](#)

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

☐ Only show running containers

<input type="checkbox"/>	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	<div>agitated_neumann</div> <div>918d20882039</div>	<a href="#">icr.io/helloapp/ibm:latest</a>	Exited (137)	49160:8080		<div><div></div><div></div><div></div></div>
<input type="checkbox"/>	<div>jolly_turing</div> <div>b62c0712bdd3</div>	<a href="#">jobportalapplication:latest</a>	Running	1234:8000	4 minutes ago	<div><div></div><div></div><div></div></div>

Showing 2 items

RAM 3.06GB

CPU 0.57%

Connected to Hub

v4.13.0

3) Create a IBM container registry and deploy helloworld app or jobportapp.

Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

Settings

## Images

Location: Global

View by: Digest

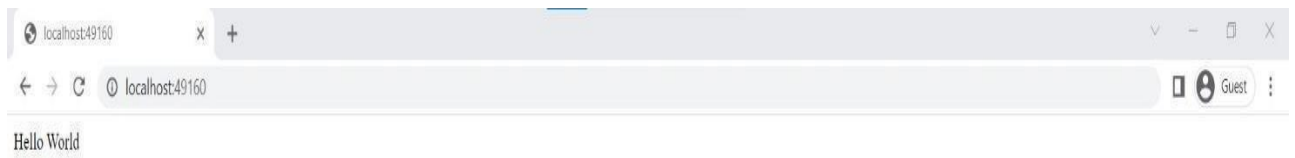
Create

<input type="checkbox"/>	Repository@digest	Tags	Manifest type	Created	Size	Security status
<input type="checkbox"/>	helloapp/ibm@sha256:a3d35518ea7f...	latest	Docker	1 day ago	352 MB	20 issues

Items per page: 25

1-1 of 1 item

1 1 of 1 page



- 4) Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

