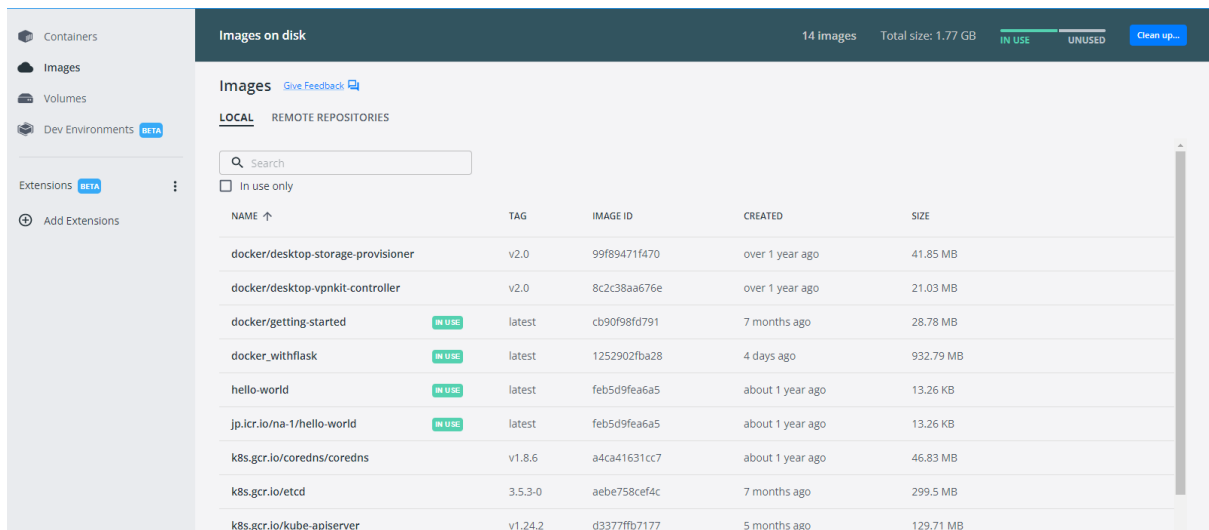


Assignment -4

Assignment Date	22 October 2022
Student Name	Arun P
Student Roll Number	811319104002
Maximum Marks	2 Marks

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

2.Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.



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](#)

Showing 3 items

Search

	NAME	IMAGE	STATUS	PORT(S)	STARTED	
<input type="checkbox"/>	<div>romantic_easley</div> <div>aebc0a80b9b9</div>	docker_withflasklatest	Exited (255)	5000		<div><div></div><div></div></div>
<input type="checkbox"/>	<div>quirky_edison</div> <div>d6ec5a6c270d</div>	docker/getting-started:latest	Exited	80		<div><div></div><div></div></div>
<input type="checkbox"/>	<div>sharp_einstein</div> <div>d7825c1e2048</div>	hello-world:latest	Exited	-		<div><div></div><div></div></div>

localhost5000/signup

localhost5000/signup

chat Home signup Dropdown disabled

Search

Create Your Account

Enter Name :

Enter user here

Enter Email ID :

Enter Email ID here

Enter Username :

Enter Username here

Enter Password :

Enter Password here

Enter Confirm Password :

Enter Password here

Clear Form

Create Account

[Learn more](#)

Search

	STATUS	PORT(S)	STARTED	
Running	5000	45 seconds ago	<div><div></div><div></div><div></div><div></div><div></div></div>	
Exited	80		<div><div></div><div></div></div>	
Exited	-		<div><div></div><div></div></div>	

3. Create a **IBM container registry** and **push docker image** of flask application or job portal app.

Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

Settings

Images

Location
Tokyo

View by: Digest Search Create +

Repository@digest	Tags	Manifest type	Created	Size	Security status
na-1/hello-world@sha256:f54a58bc1aac...	latest	Docker	403 days ago	2 KB	Unsupported OS

Items per page: 25 1-1 of 1 item

Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

Settings

Repositories

Location
Tokyo

Search Create +

Name	Image count	Namespace	Last updated
hello-world jp.icr.io/na-1/hello-world	1	na-1	403 days ago

Items per page: 25 1-1 of 1 item

4. Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in nodeport.

The screenshot shows the Docker Desktop application. On the left is a sidebar with navigation icons for Containers, Images, Volumes, and Dev Environments (marked as BETA). Below these is an 'Extensions' section, also marked as BETA, with an 'Add Extensions' button. The main panel is titled 'Images on disk' and shows '17 images' with a 'Total size: 3.05 GB'. A progress bar indicates 'IN USE' and 'UNUSED' space, with a 'Clean up...' button. Below this is a section for 'Images' with a 'Give Feedback' link. There are two tabs: 'LOCAL' (selected) and 'REMOTE REPOSITORIES'. The 'LOCAL' tab displays a table of images:

Image Name	Tag	Digest	Age	Size
hubproxy.docker.inte...	kubernetes-v1.2...	5dcc4b79ec39	4 months ago	364.07 MB
jp.icr.io/na-1/hello-w...	latest	feb5d9fea6a5	about 1 year ago	13.26 KB
k8s.gcr.io/coredns/co...	v1.8.6	a4ca41631cc7	about 1 year ago	46.83 MB
k8s.gcr.io/etcd	3.5.3-0	aebe758cef4c	7 months ago	299.5 MB
k8s.gcr.io/kube-apiser...	v1.24.2	d3377ffb7177	5 months ago	129.71 MB
k8s.gcr.io/kube-contr...	v1.24.2	34cdf99b1bb3	5 months ago	119.35 MB
k8s.gcr.io/kube-proxy	v1.24.2	a634548d10b0	5 months ago	109.94 MB
k8s.gcr.io/kube-sche...	v1.24.2	5d725196c1f4	5 months ago	50.99 MB
k8s.gcr.io/pause	3.7	221177c6082a	8 months ago	711.18 KB
srividhyag/docker_wi...	latest	1252902fba28	6 days ago	932.79 MB

At the bottom of the interface, a status bar shows 'RAM 4.73GB', 'CPU 8.34%', and 'Connected to Hub'. The version 'v4.11.1' is also visible.