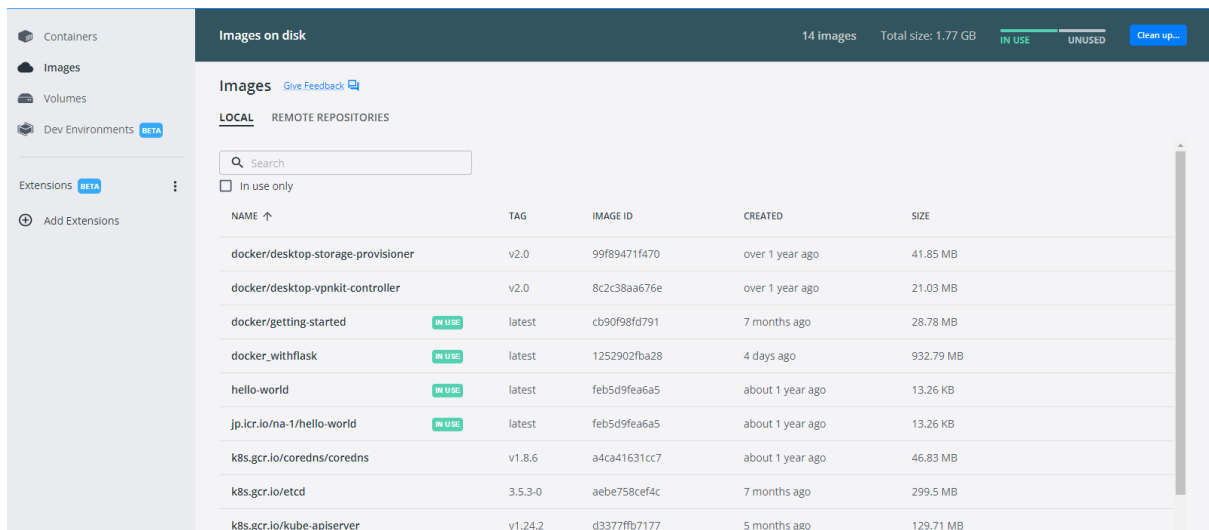


Assignment -4

Assignment Date	22 October 2022
Student Name	Dharaneeswaran S
Student Roll Number	811319104006
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.



The screenshot shows the 'Images on disk' section of Docker Desktop. It displays a list of 14 images with a total size of 1.77 GB. The interface includes a sidebar with navigation options like Containers, Images, Volumes, and Dev Environments. The main area shows a table of images with columns for Name, Tag, Image ID, Created, and Size. Some images are marked as 'IN USE'.

Images on disk					
14 Images Total size: 1.77 GB IN USE UNUSED Clean up...					
Images Give Feedback					
LOCAL		REMOTE REPOSITORIES			
<input type="text" value="Search"/>					
<input type="checkbox"/> In use only					
NAME ↑	TAG	IMAGE ID	CREATED	SIZE	
docker/desktop-storage-provisioner	v2.0	99f89471f470	over 1 year ago	41.85 MB	
docker/desktop-vpnkit-controller	v2.0	8c2c38aa676e	over 1 year ago	21.03 MB	
docker/getting-started	latest	cb90f98fd791	7 months ago	IN USE	28.78 MB
docker_withflask	latest	1252902fba28	4 days ago	IN USE	932.79 MB
hello-world	latest	feb5d9fea6a5	about 1 year ago	IN USE	13.26 KB
jp.jcr.io/na-1/hello-world	latest	feb5d9fea6a5	about 1 year ago	IN USE	13.26 KB
k8s.gcr.io/coredns/coredns	v1.8.6	a4ca41631cc7	about 1 year ago	46.83 MB	
k8s.gcr.io/etcd	3.5.3-0	aeb5758cef4c	7 months ago	299.5 MB	
k8s.gcr.io/kube-apiserver	v1.24.2	d3377ffb7177	5 months ago	129.71 MB	

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. Below these is an 'Extensions' section with a 'BETA' label and an 'Add Extensions' button. The main panel is titled 'Images on disk' and shows a summary of 17 images with a total size of 3.05 GB. A progress bar indicates that some images are 'IN USE' and others are 'UNUSED'. Below this is a table of local images.

Image Name	Tag	Digest	Created	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 displays system metrics: RAM 4.73GB, CPU 8.34%, and a connection status 'Connected to Hub'. The version 'v4.11.1' is also shown.