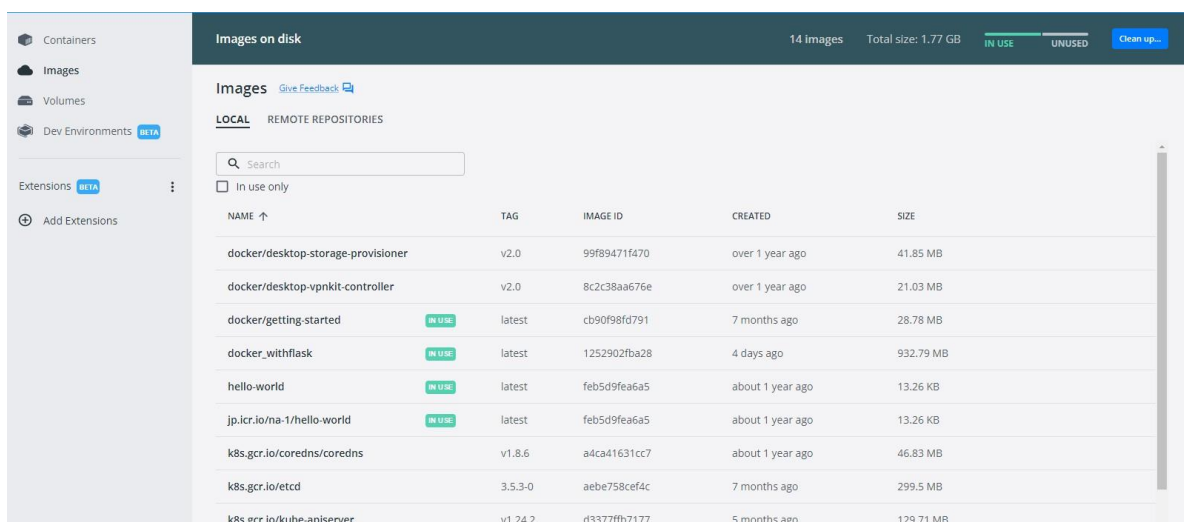


ASSIGNMENT- 4

Assignment Date	29 October 2022
Project Name	Inventory management System
Team Number	PNT2022TMID14633
Maximum Marks	2 Marks

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

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_withflask:latest	Exited (255)	5000			
<input type="checkbox"/>	<div>quirky_edison</div> <div>d6ec3a6c270d</div>	docker/getting-started:latest	Exited	80			
<input type="checkbox"/>	<div>sharp_einstein</div> <div>d7825c1e2048</div>	hello-world:latest	Exited	-			

localhost:5000/signup

localhost:5000/signup

chat Home signup Dropdown disabled

Search

Create Your Account

Enter Name :

Enter Email ID :

Enter Username :

Enter Password :

Enter Confirm Password :

Clear Form Create Account

Search

STATUS	PORT(S)	STARTED		
Running	5000	45 seconds ago		
Exited	80			
Exited	-			

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 1 1 of 1 page

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 1 1 of 1 page

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 interface. On the left is a sidebar with navigation options: Containers, Images, Volumes, Dev Environments (marked BETA), and Extensions (marked BETA). The main panel is titled 'Images on disk' and shows a list 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'. A 'Clean up...' button is visible in the top right corner of the main panel.

Image Name	Repository	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, system information is displayed: RAM 4.73GB, CPU 18.39%, Connected to Hub, and version v4.11.1.