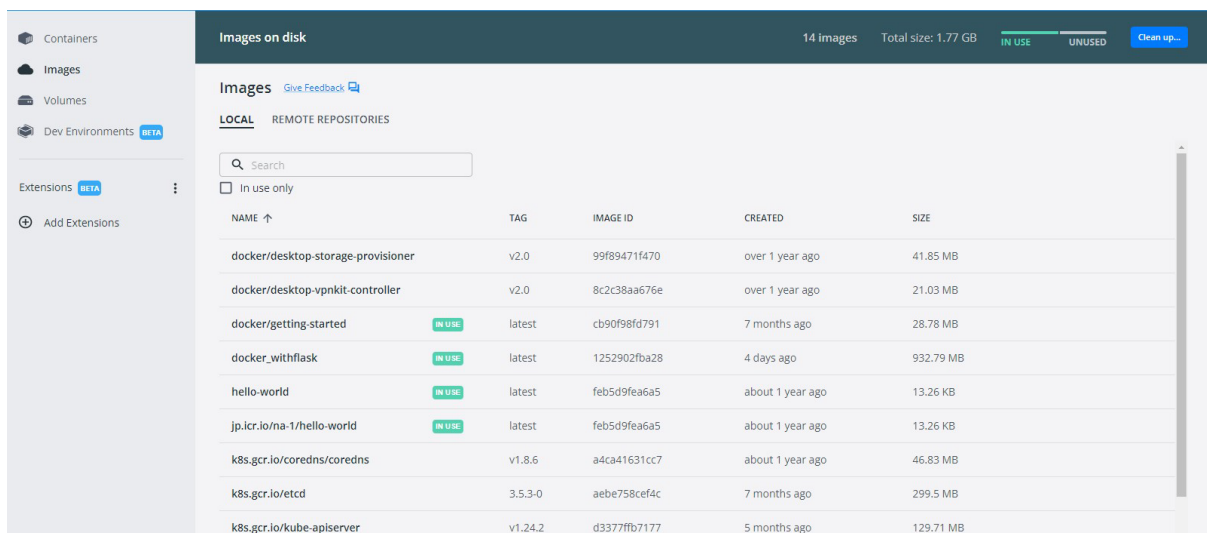


Assignment -4

Assignment Date	22 October 2022
Student Name	Asan mohemed arif,S Karthick,U Raghul,R Yuvaraj
Team ID	PNT2022TMID45031
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_withflask:latest	Exited (255)	5000			
<input type="checkbox"/>	<div>quirky_edison</div> <div>d6ec5a6c270d</div>	docker/getting-started:latest	Exited	80			
<input type="checkbox"/>	<div>sharp_einstein</div> <div>d7825c1e2048</div>	hello-world:latest	Exited	-			

localhost/signup

localhost:5000/signup

chat Home signup Dropdown disabled

Search

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

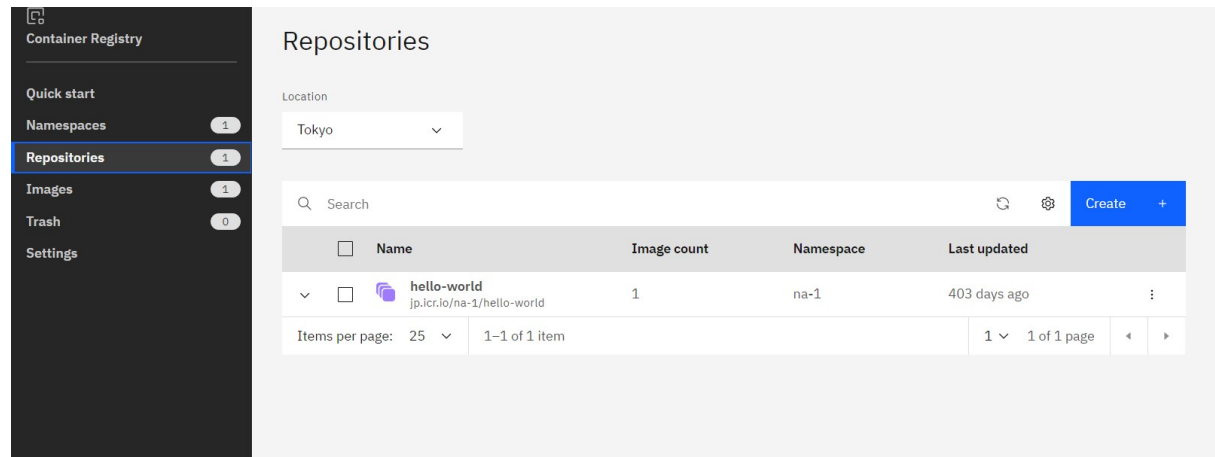
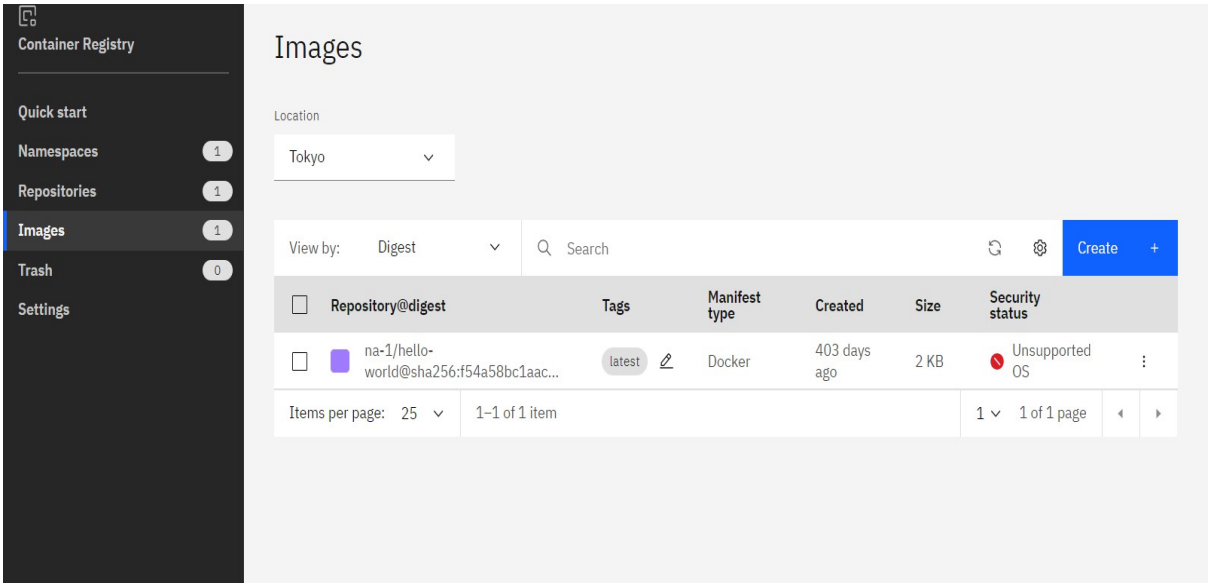
Clear Form

Create Account

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.



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), Extensions (marked BETA), and Add Extensions. 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. Below this, there's a section for 'Images' with a 'Give Feedback' link. The 'LOCAL' tab is selected, showing a list of images. The table has columns for repository name, tag, digest, time, and size. Several images are marked 'IN USE'.

Repository	Tag	Digest	Time	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, system stats are visible: RAM 4.73GB, CPU 8.39%, and 'Connected to Hub'.