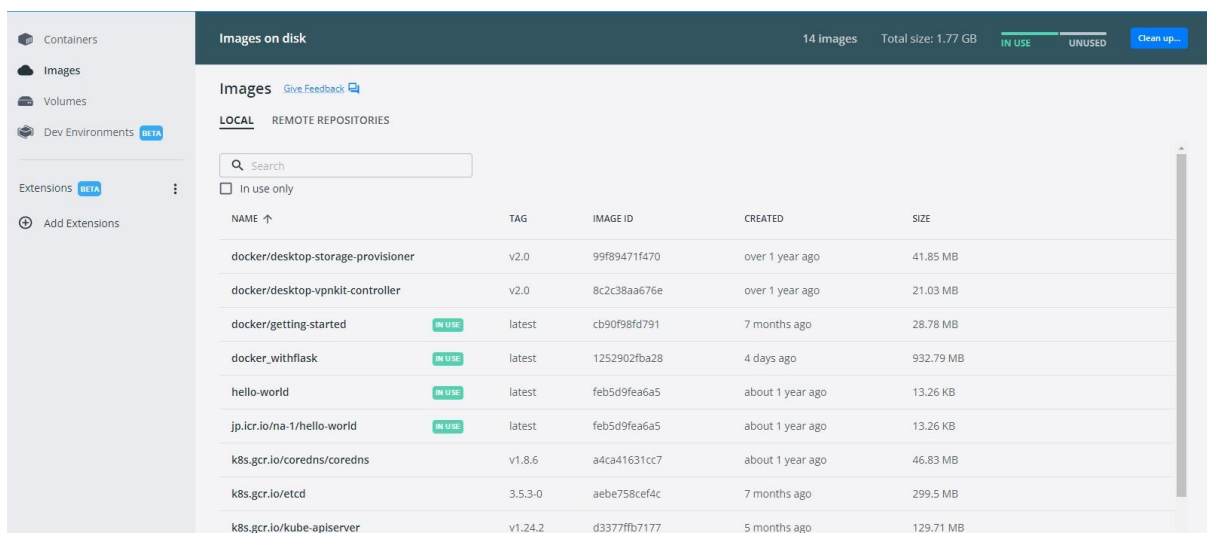


Assignment -4

Assignment Date	22 October 2022
Student Name	M.Nivetha
Student Roll Number	913319104035
Maximum Marks	2 Marks

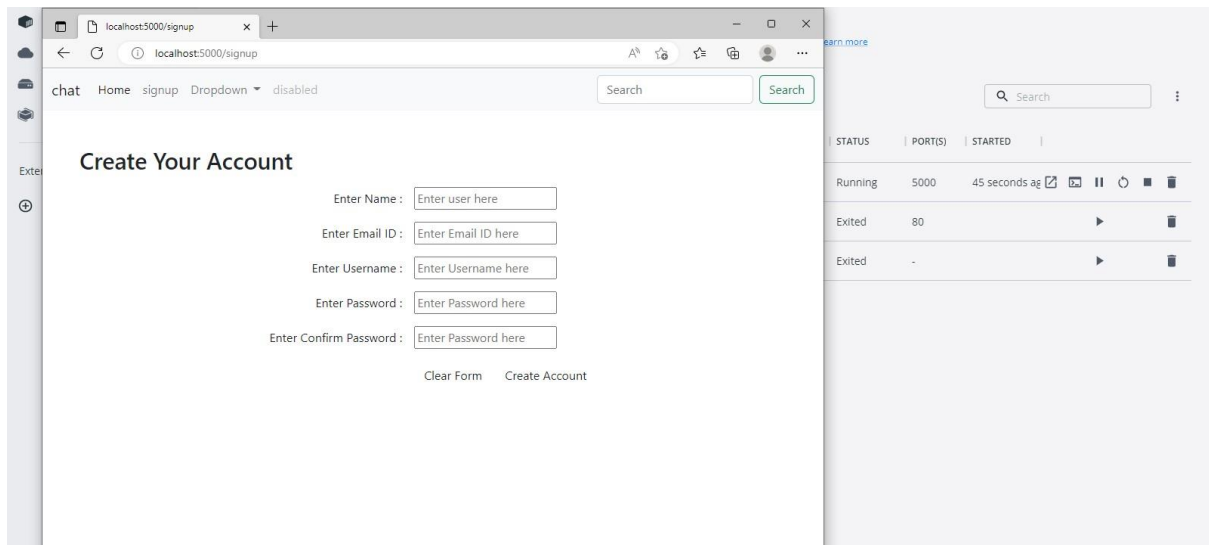
1.Pull an Image from docker hub and run it in docker playground.

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

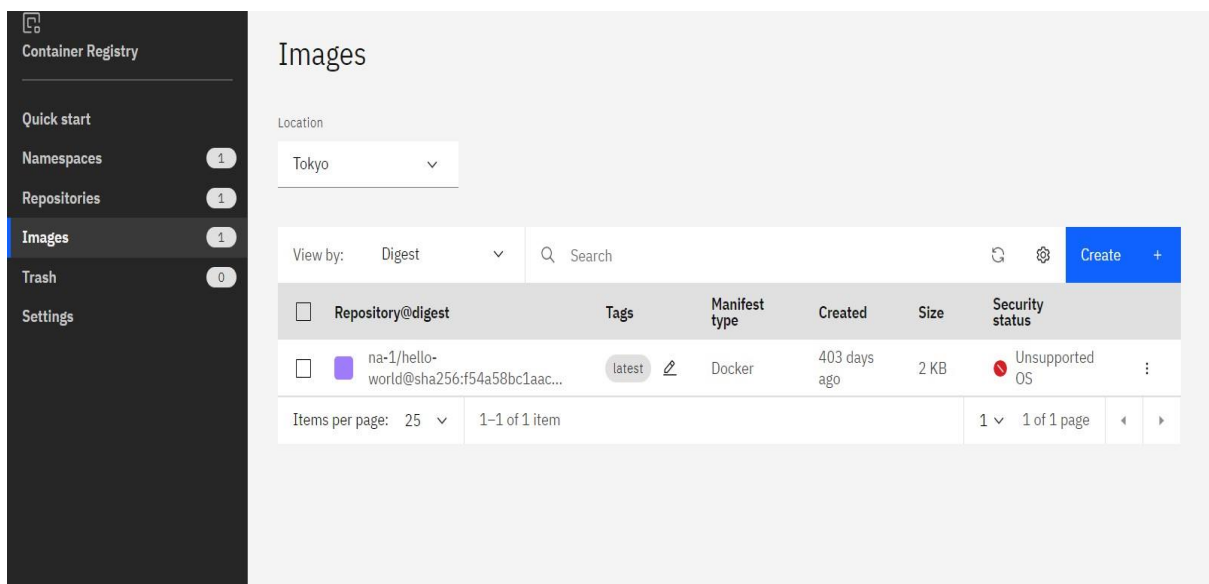


The screenshot shows the 'Images on disk' section of Docker Desktop. It displays a list of 14 images with a total size of 1.77 GB. The interface includes a sidebar with navigation options like Containers, Images, Volumes, and Dev Environments. The main area shows a table of images with columns for Name, 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				
<u>LOCAL</u> 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	28.78 MB
docker_withflask	latest	1252902fba28	4 days ago	932.79 MB
hello-world	latest	feb5d9fea6a5	about 1 year ago	13.26 KB
jp.icr.io/na-1/hello-world	latest	feb5d9fea6a5	about 1 year ago	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	aebe758cef4c	7 months ago	299.5 MB
k8s.gcr.io/kube-apiserver	v1.24.2	d3377ffb7177	5 months ago	129.71 MB



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

Repositories

Location

Tokyo

Search

Create +

<input type="checkbox"/>	Name	Image count	Namespace	Last updated	
<input checked="" type="checkbox"/>	<div><div></div><div>hello-world</div><div>jp.icr.io/na-1/hello-world</div></div>	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.

Images on disk 17 images Total size: 3.05 GB IN USE UNUSED [Clean up...](#)

Images [Give Feedback](#)

LOCAL **REMOTE REPOSITORIES**

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

RAM 4.73 GB CPU 8.30% Connected to Hub v4.11.1