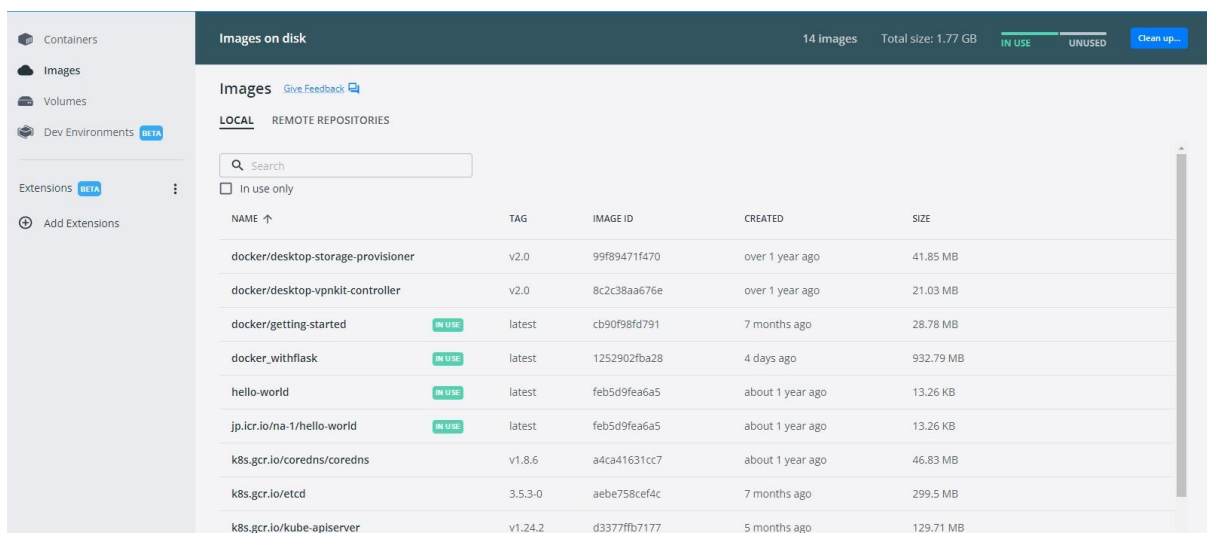


## Assignment -4

Assignment Date	22 October 2022
Student Name	N.Aswinidevi
Student Roll Number	913319104006
Maximum Marks	2 Marks

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

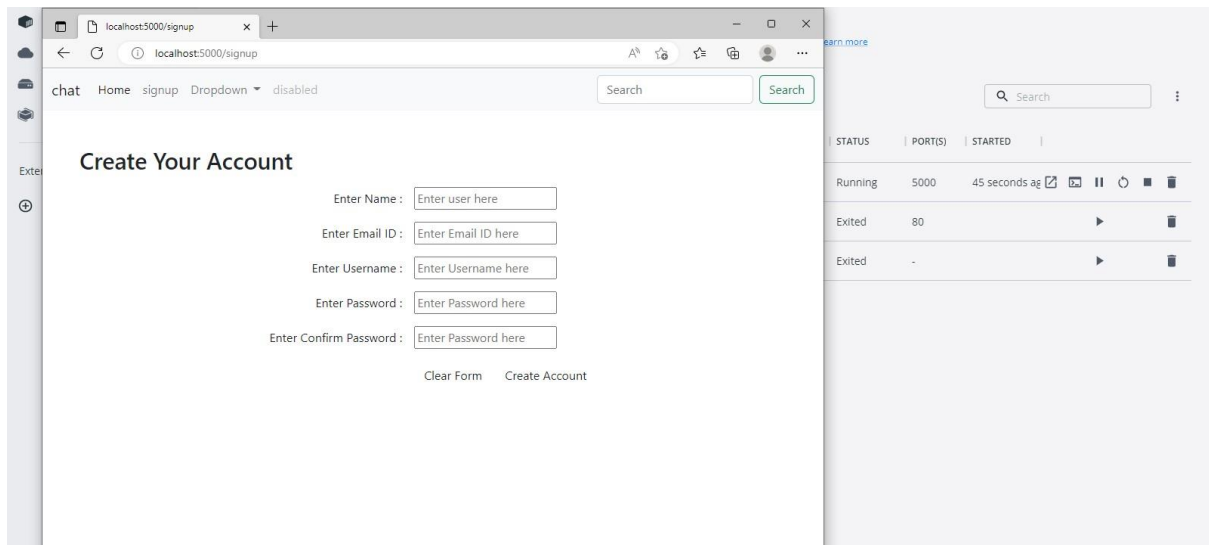
2.Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.



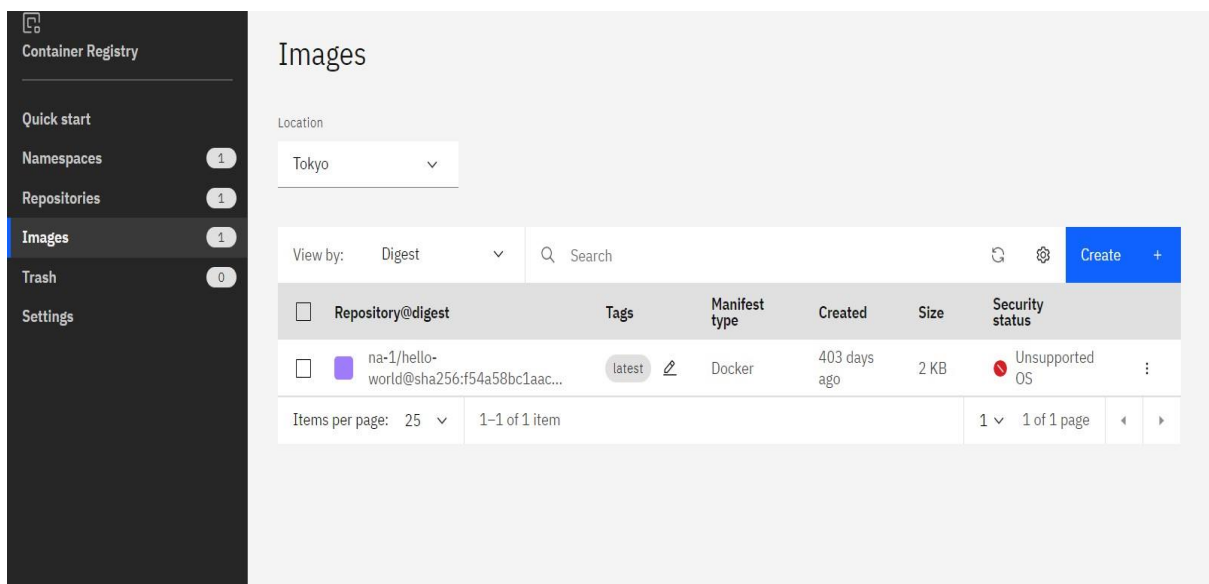
The screenshot shows the Docker Desktop interface. On the left is a sidebar with navigation options: Containers, Images, Volumes, Dev Environments (with a BETA tag), Extensions (with a BETA tag), and Add Extensions. The main panel is titled 'Images on disk' and shows a summary of 14 images with a total size of 1.77 GB. Below this, there's a section for 'Images' with tabs for 'LOCAL' and 'REMOTE REPOSITORIES'. A search bar and an 'In use only' checkbox are present. A table lists the images with columns for NAME, TAG, IMAGE ID, CREATED, and SIZE. Some images have an 'IN USE' badge.

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.

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.

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

**Images** [Give Feedback](#)

**LOCAL** **REMOTE REPOSITORIES**

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

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