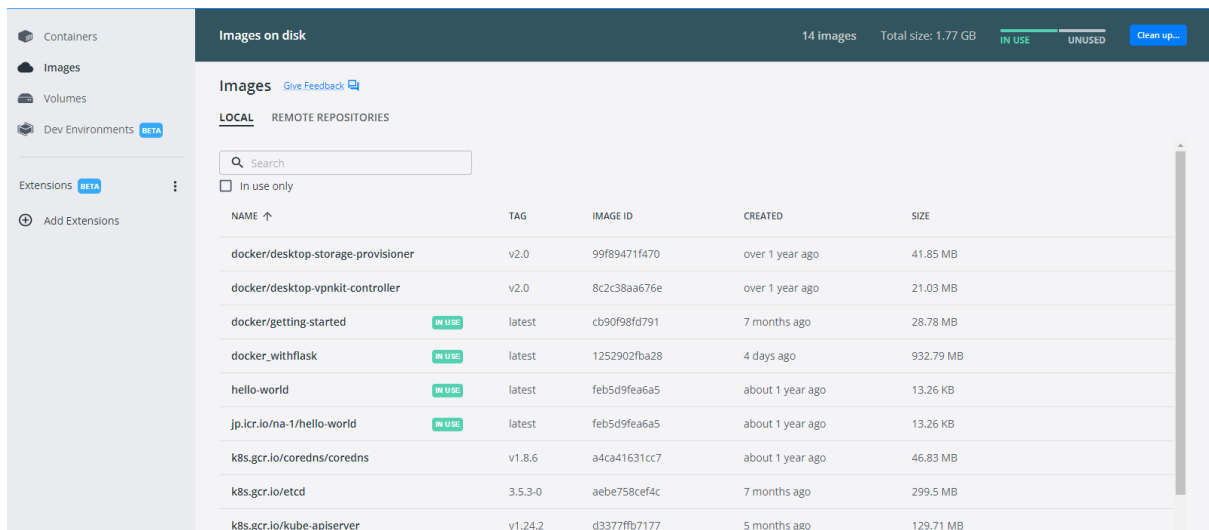


Assignment -4

Assignment Date	22 October 2022
Student Name	Kumaragurumoorthy
Student Roll Number	913319104029
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 a search bar and a filter for 'In use only'. A table lists the images, including their names, tags, image IDs, creation times, and sizes. 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

NAME

IMAGE

STATUS

PORT(S)

STARTED

romantic_easley
aebc0a80b9b9

docker_withflask:latest

Exited (255)

5000

quirky_edison
d6ec3a6c270d

docker/getting-started:latest

Exited

80

sharp_einstein
d7825c1e2048

hello-world:latest

Exited

-

docker hub

Search for great content (e.g., mysql)

Explore Repositories Organizations Help

Upgrade

kumaragurumoorthy

kumaragurumoorthy

Search by repository name

Content

Create repository

kumaragurumoorthy / demo_app

Contains: No content | Last pushed: 3 minutes ago

Not Scanned

0

0

Public

kumaragurumoorthy / demo

Contains: No content | Last pushed: 3 minutes ago

Not Scanned

0

0

Public

kumaragurumoorthy / flask

Contains: No content | Last pushed: 4 minutes ago

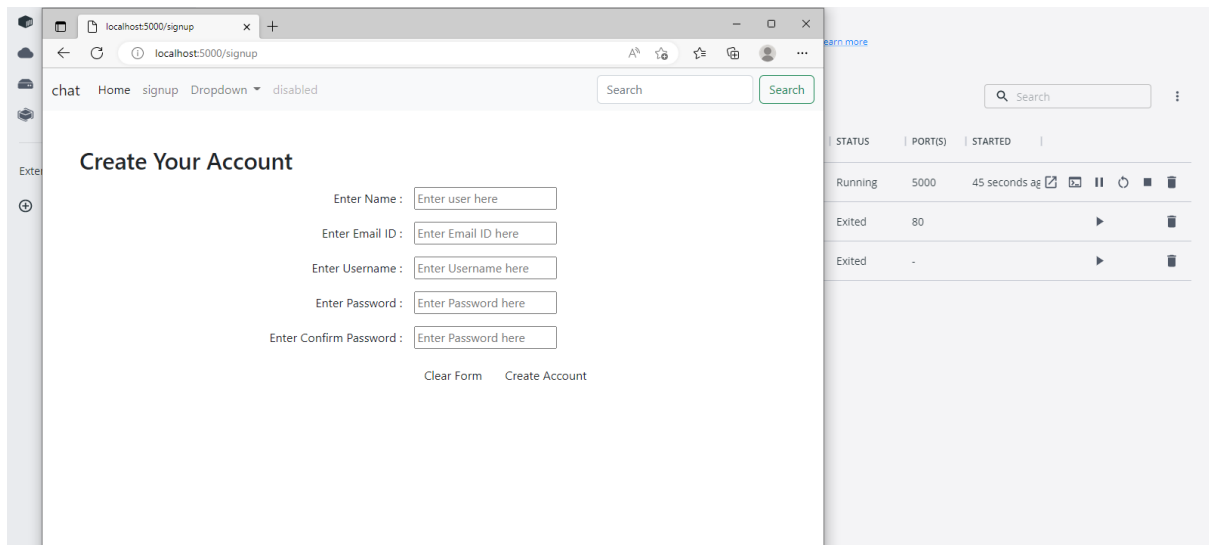
Not Scanned

0

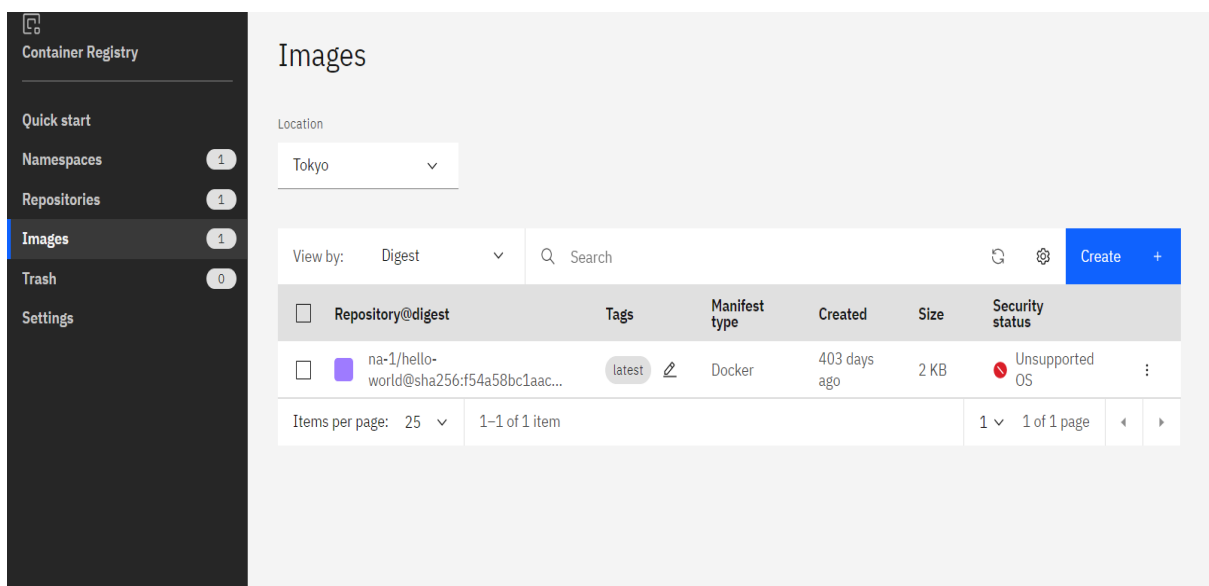
0

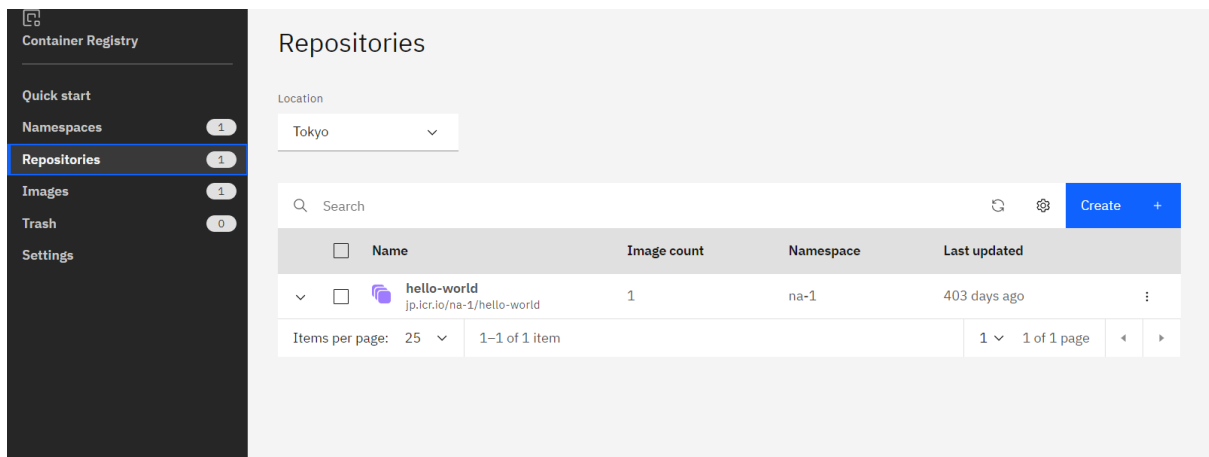
Public

Tip: Not finding your repository? Try a different namespace.



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.

