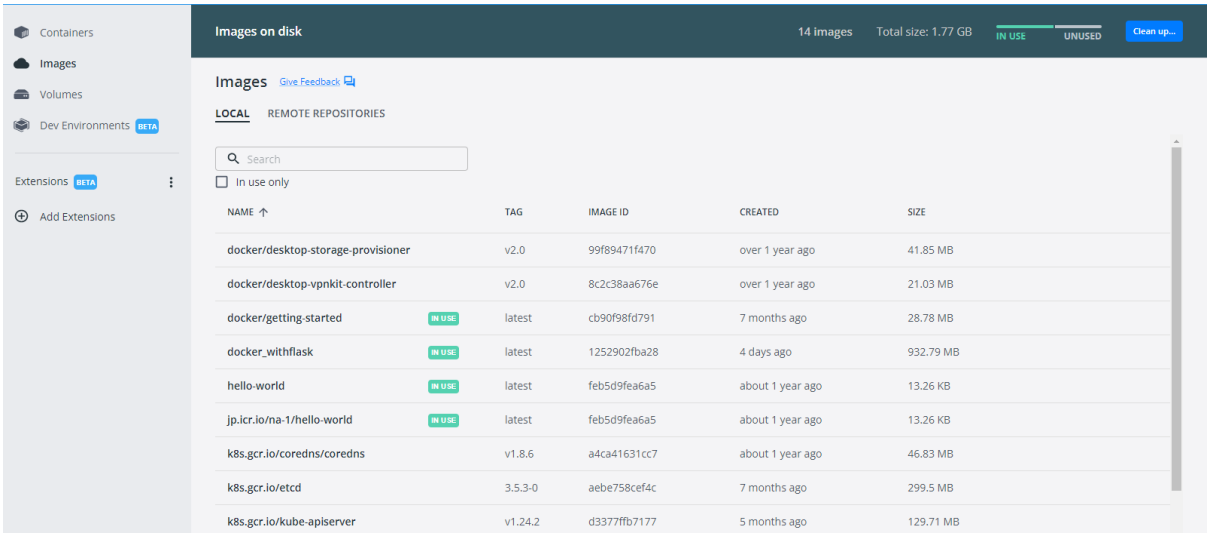
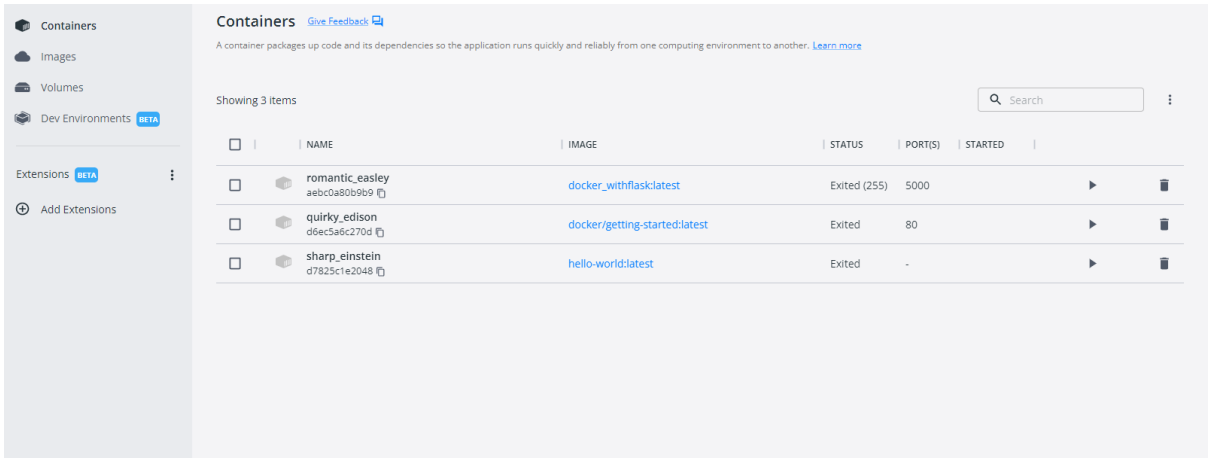
Assignment -4

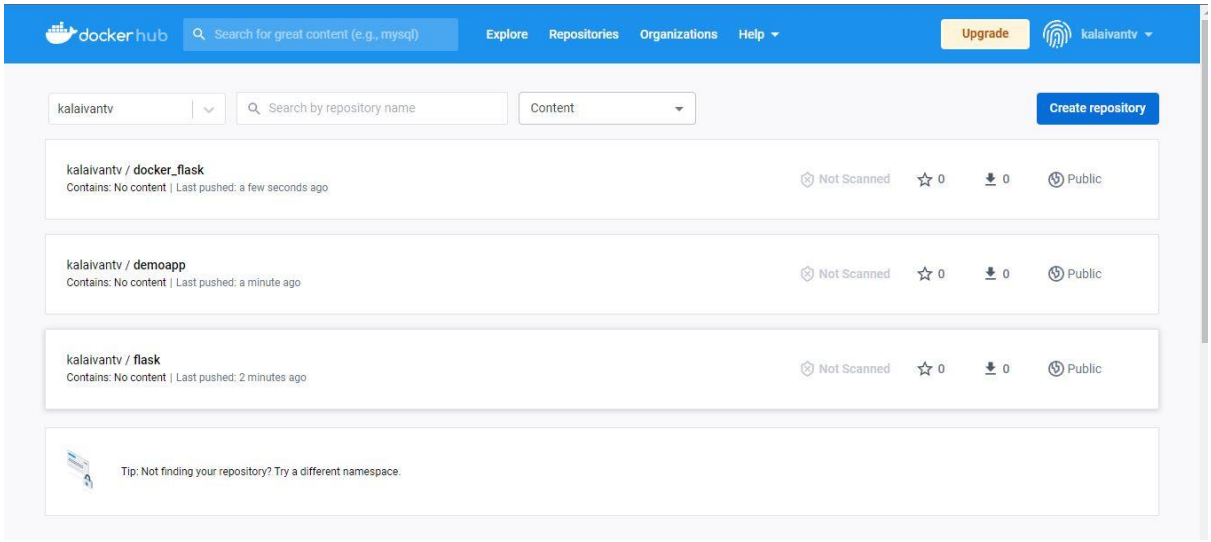
Assignment Date	22 October 2022
Student Name	Kalaivani T V
Student Roll Number	913319104026
Maximum Marks	2 Marks

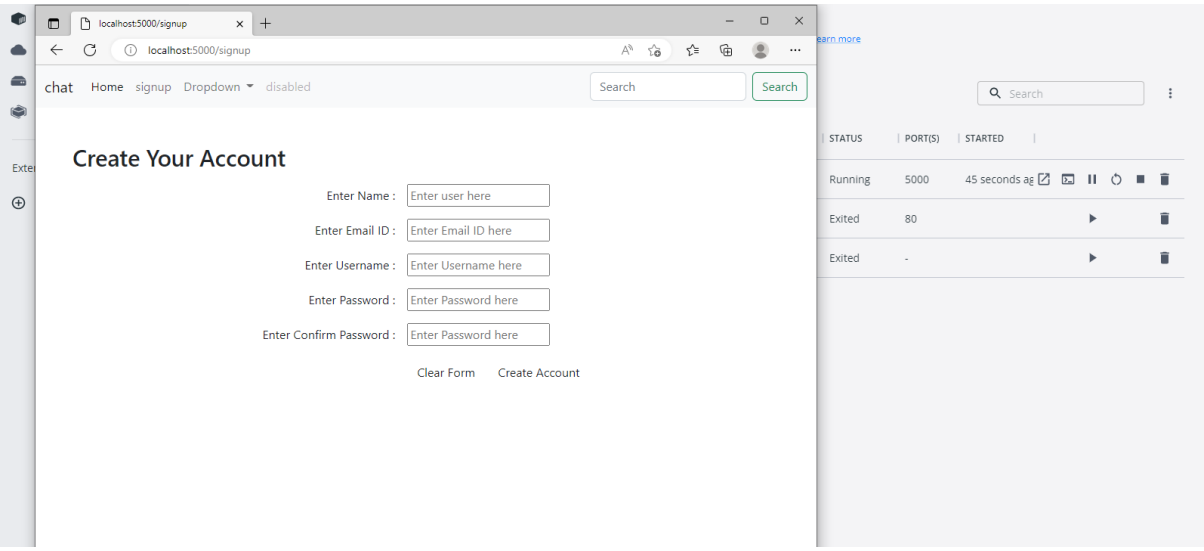
1.Pull an Image from docker hub and run it in docker playground.

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

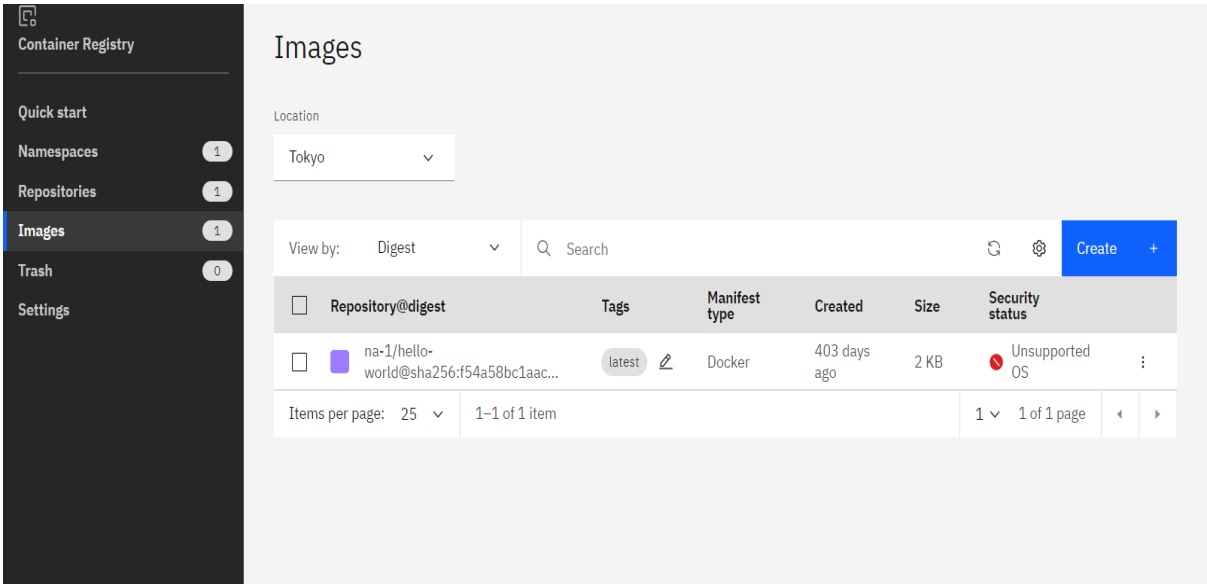


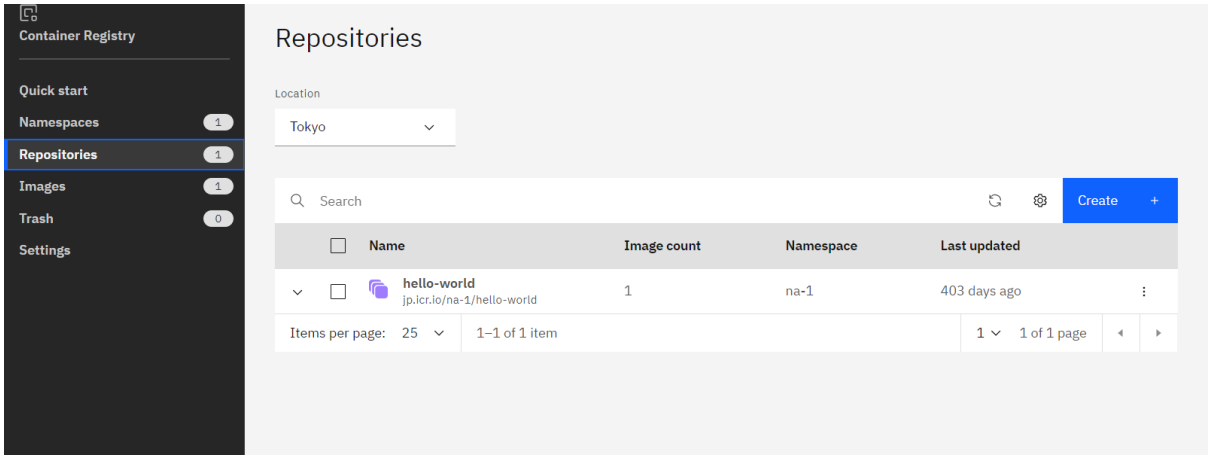

Containers
Images
Volumes
Dev Environments BETA
Extensions BETA
Add Extensions
Containers
Give Feedback
A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. Learn more
Showing 3 items
Search
NAME
IMAGE
STATUS
PORT(S)
STARTED
romantic_easley
aebc0a80b9b9
docker_withflask:latest
Exited (255)
5000
quirky_edison
d6ec5a6c270d
docker/getting-started:latest
Exited
80
sharp_einstein
d7825c1e2048
hello-world:latest
Exited
-


dockerhub
Search for great content (e.g., mysql)
Explore
Repositories
Organizations
Help
Upgrade
kalaivantv
kalaivantv
Search by repository name
Content
Create repository
kalaivantv / docker_flask
Contains: No content | Last pushed: a few seconds ago
Not Scanned
0
0
Public
kalaivantv / demoapp
Contains: No content | Last pushed: a minute ago
Not Scanned
0
0
Public
kalaivantv / flask
Contains: No content | Last pushed: 2 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.