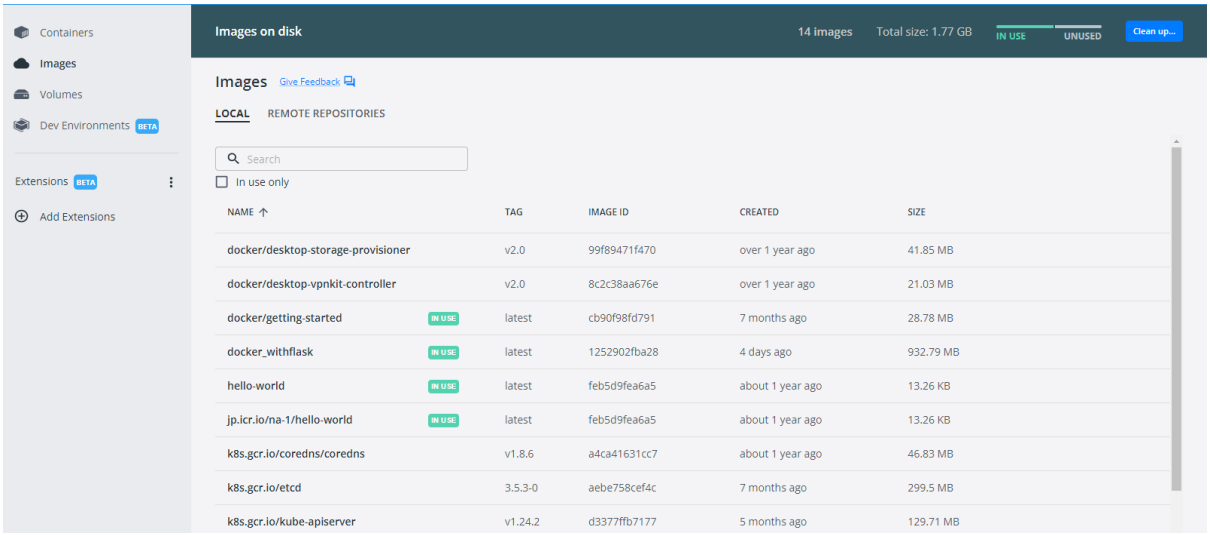
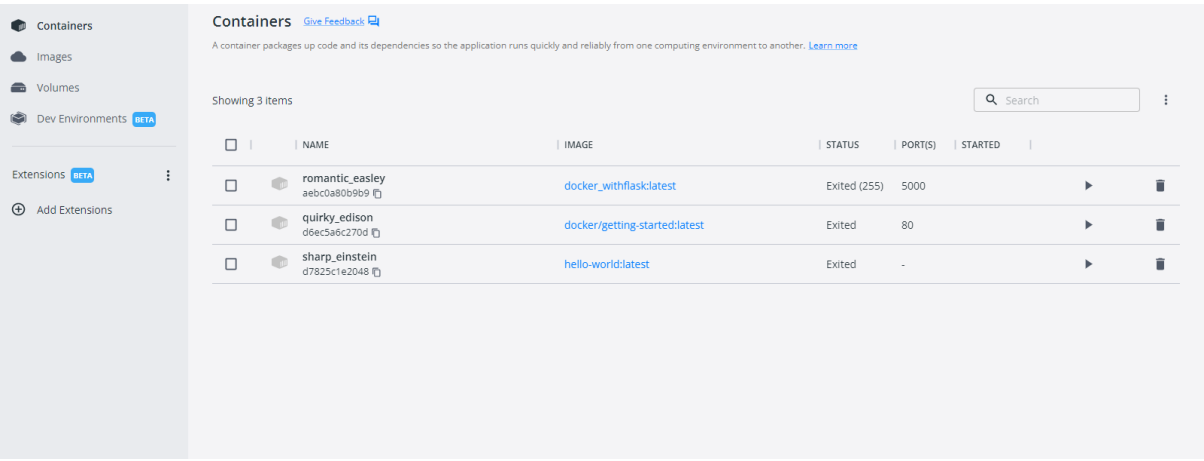
Assignment -4

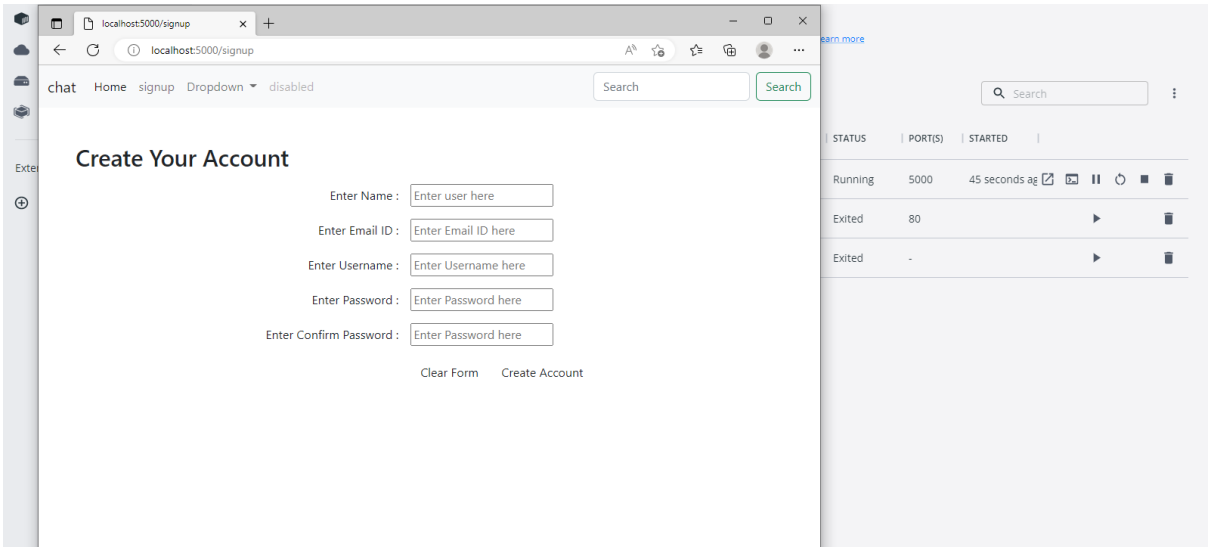
Assignment Date	22 October 2022
Student Name	Jayashree K
Student Roll Number	811319104008
Maximum Marks	2 Marks

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

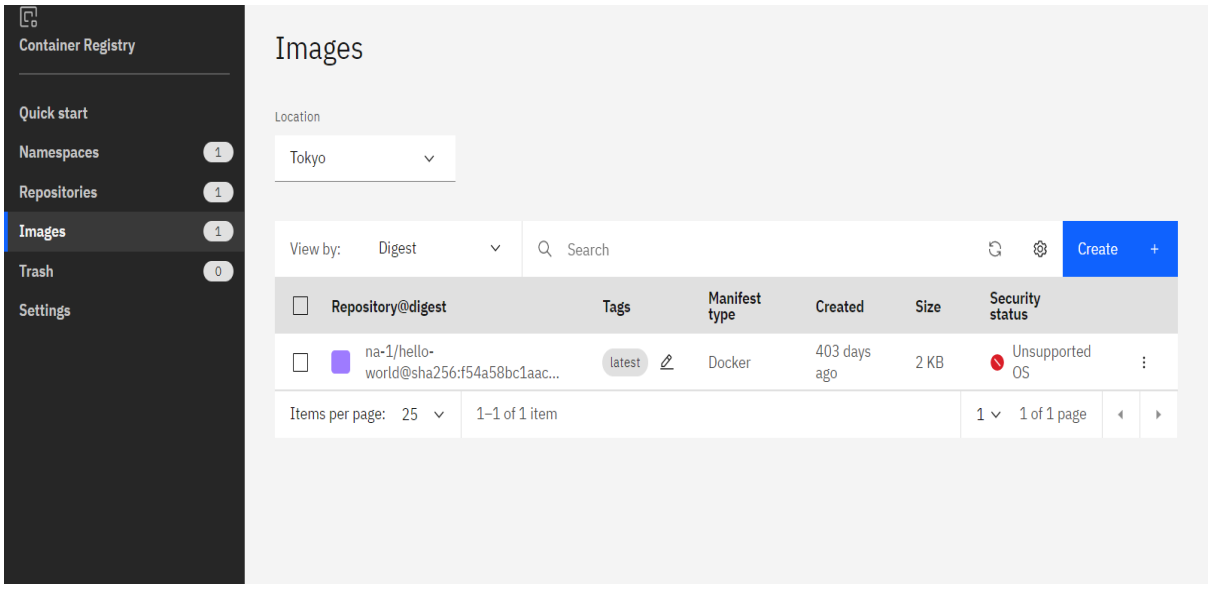
2.Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.

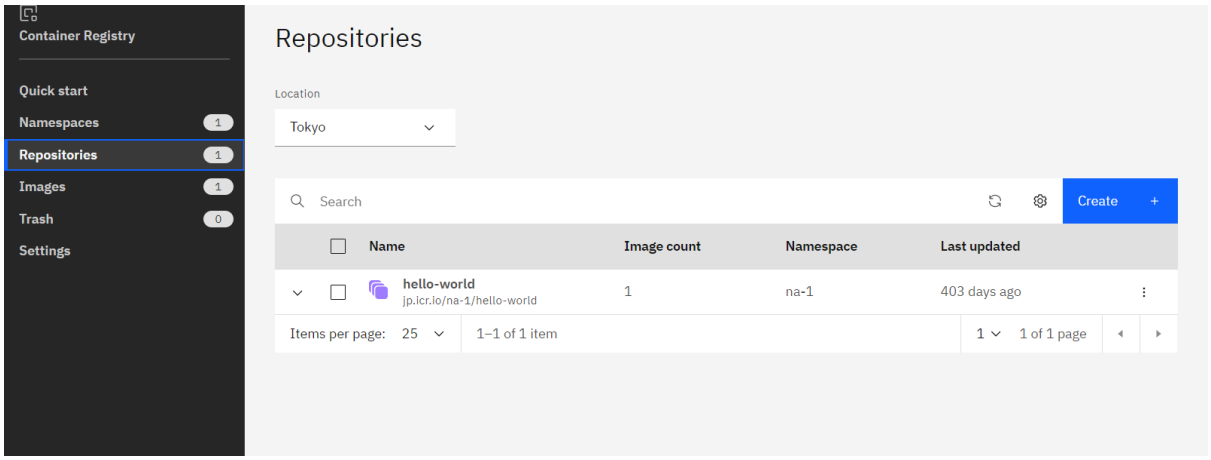



Containers
Images
Volumes
Dev Environments BETA
Extensions BETA
Add Extensions
Containers
Give Feedback
A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. Learn more
Showing 3 items
Search
NAME
IMAGE
STATUS
PORT(S)
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
-


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 ag
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.