Assignment-4
IBM object storage & IBM Watson

Date	19 September 2022
Team ID	PNT2022TMID32326
Project Name	News Tracker Application
Student Name	KIRUBALANI G
Student Roll No	810019104034

Assignment Kubernetes / Docker:

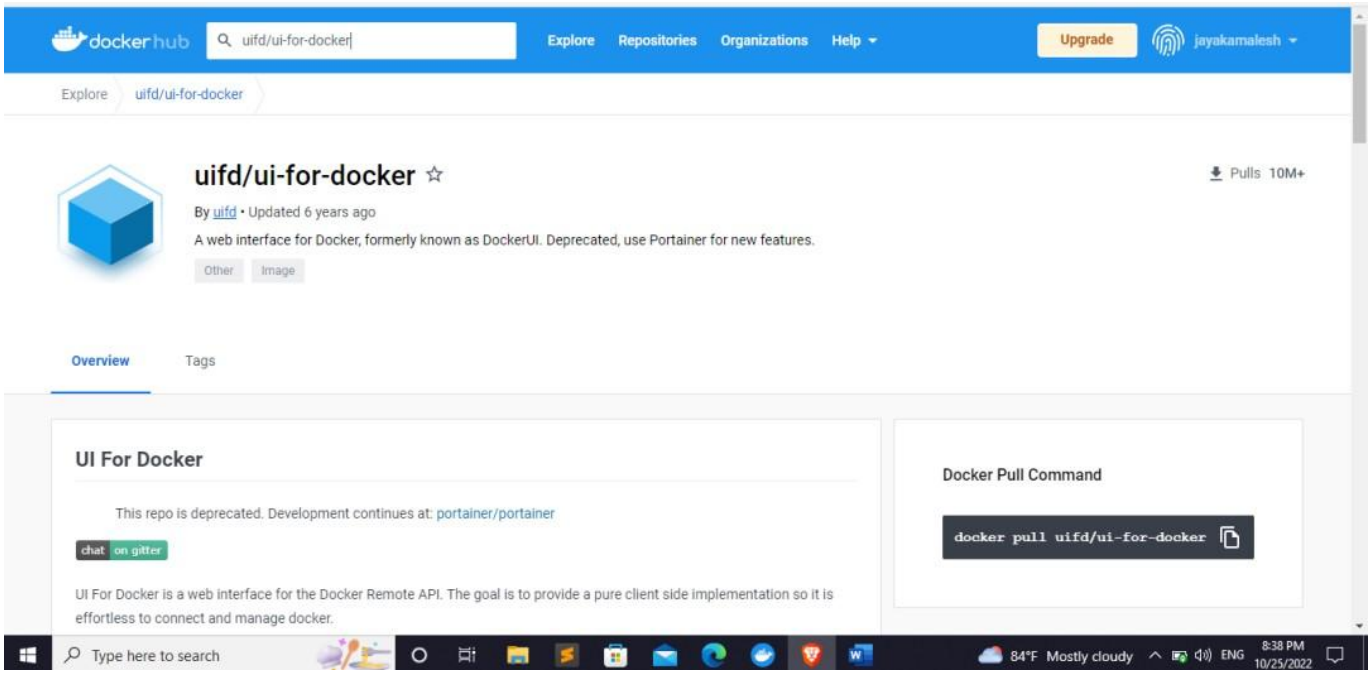
1. Pull an Image from docker hub and run it in docker playground.

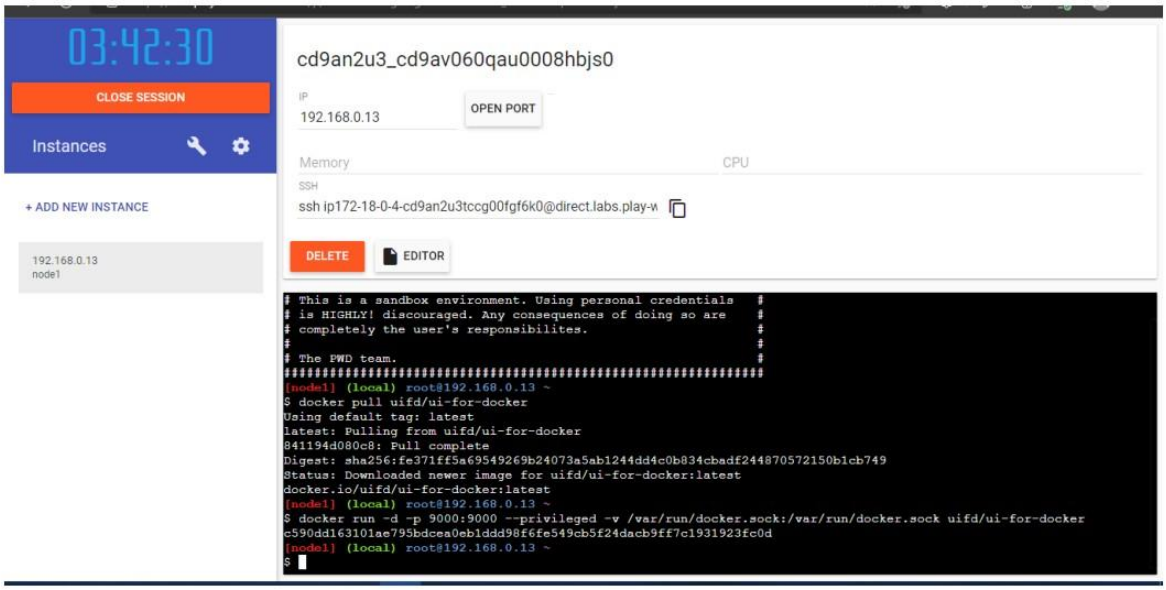
2. Create a docker file for the job portal application and deploy it in Docker desktop application.

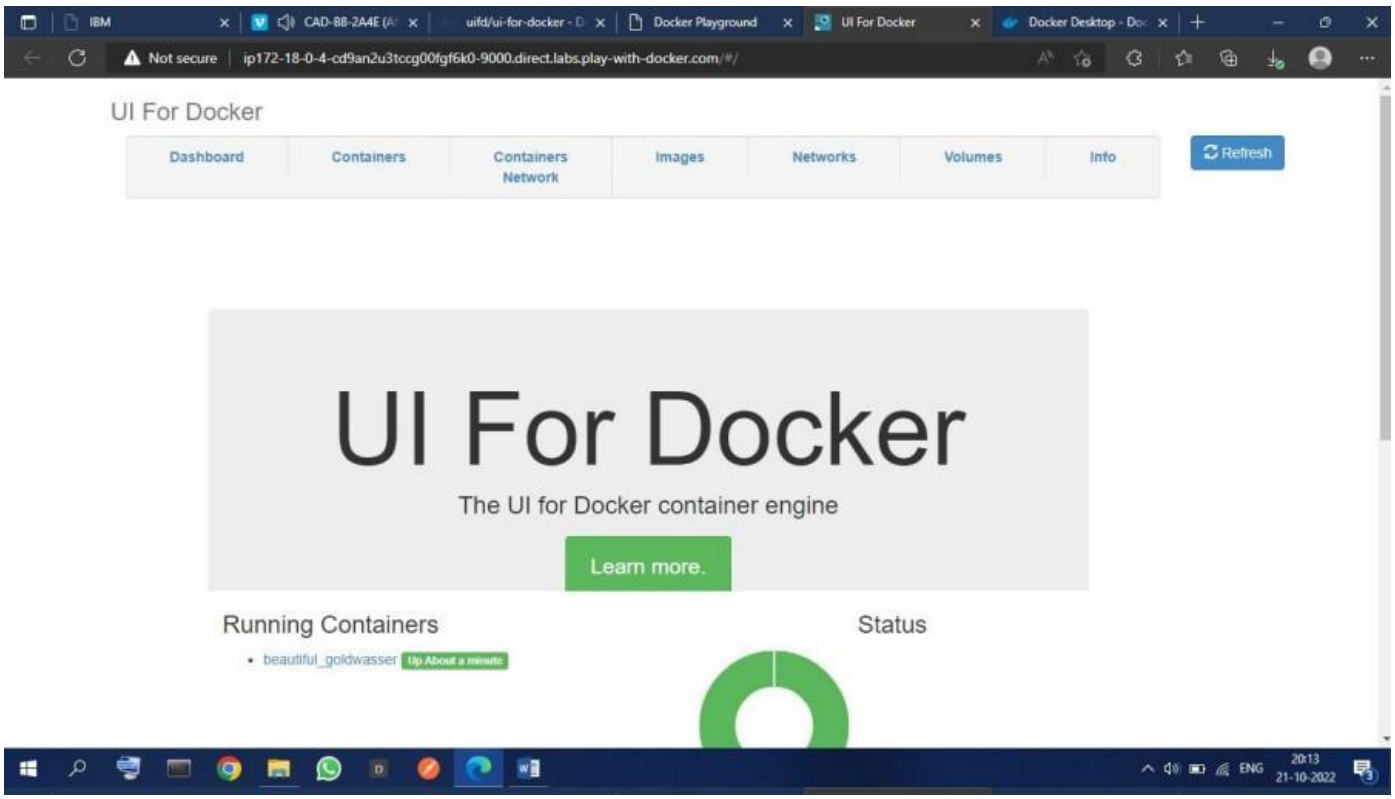
3. Create an IBM container registry and deploy a hello world app or job portal app.

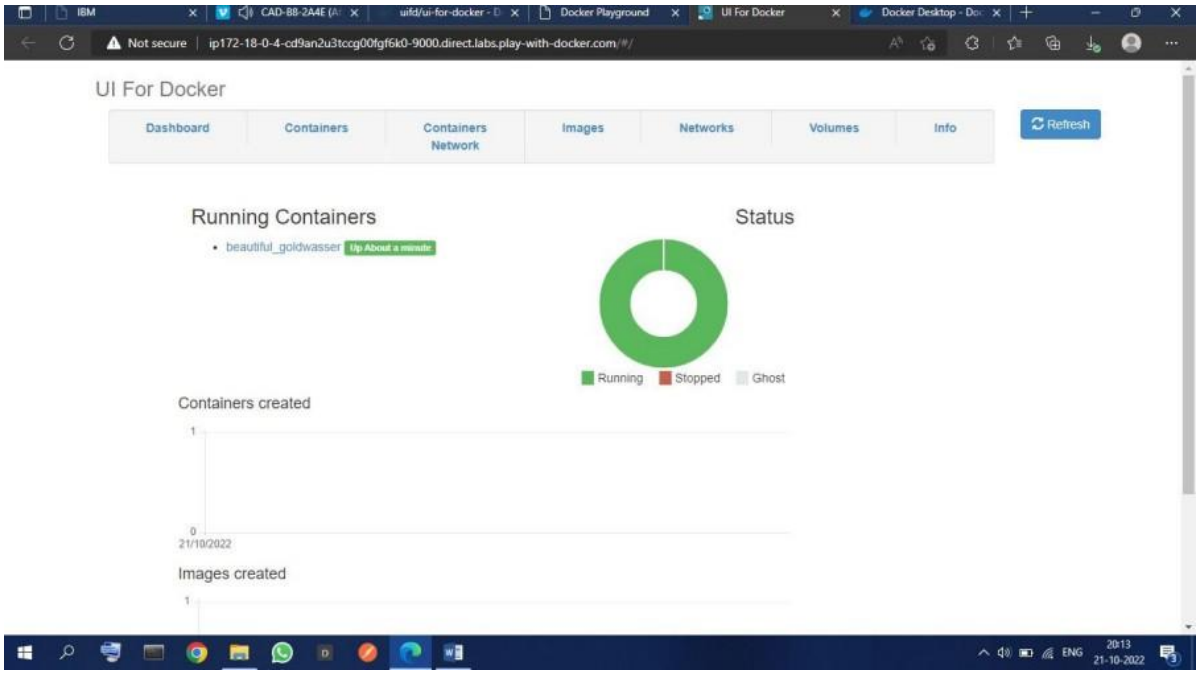
4. Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.

1. Pull an image from docker hub and run it in docker Playground

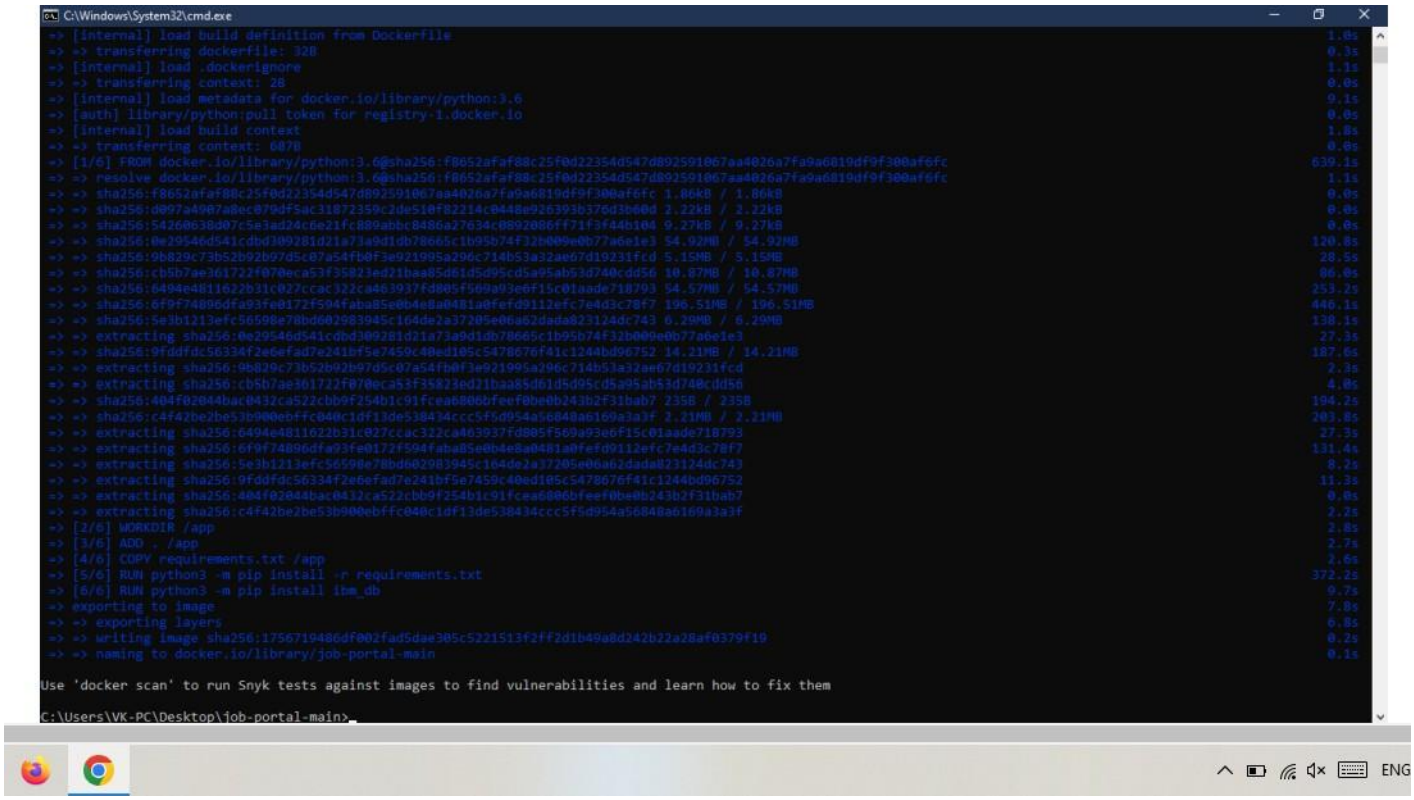


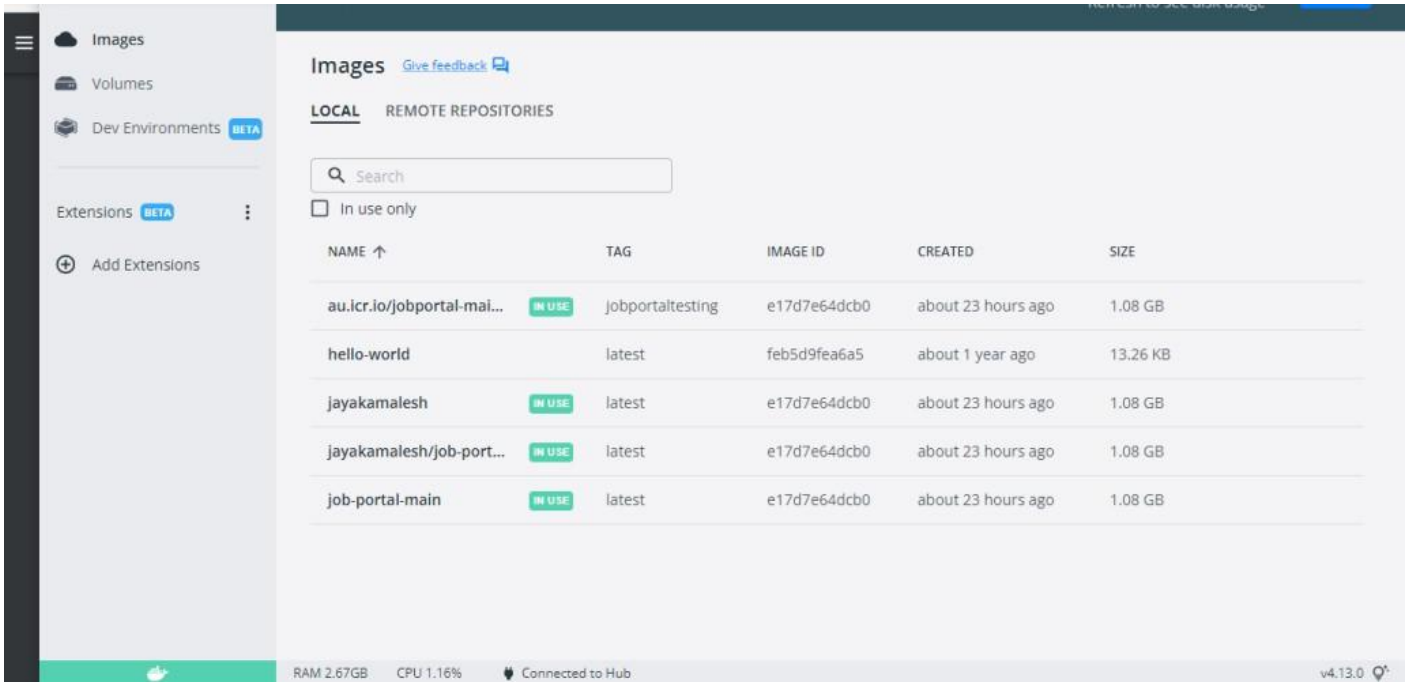



IBM
CAD-88-2A4E (A
uifd/ui-for-docker - D
Docker Playground
UI For Docker
Docker Desktop - Doc
Not secure
ip172-18-0-4-cd9an2u3tccg00fgf6k0-9000.direct.labs.play-with-docker.com/#/
UI For Docker
Dashboard
Containers
Containers Network
Images
Networks
Volumes
Info
Refresh
UI For Docker
The UI for Docker container engine
Learn more.
Running Containers
beautiful_goldwasser
Up About a minute
Status
ENG
20:13
21-10-2022

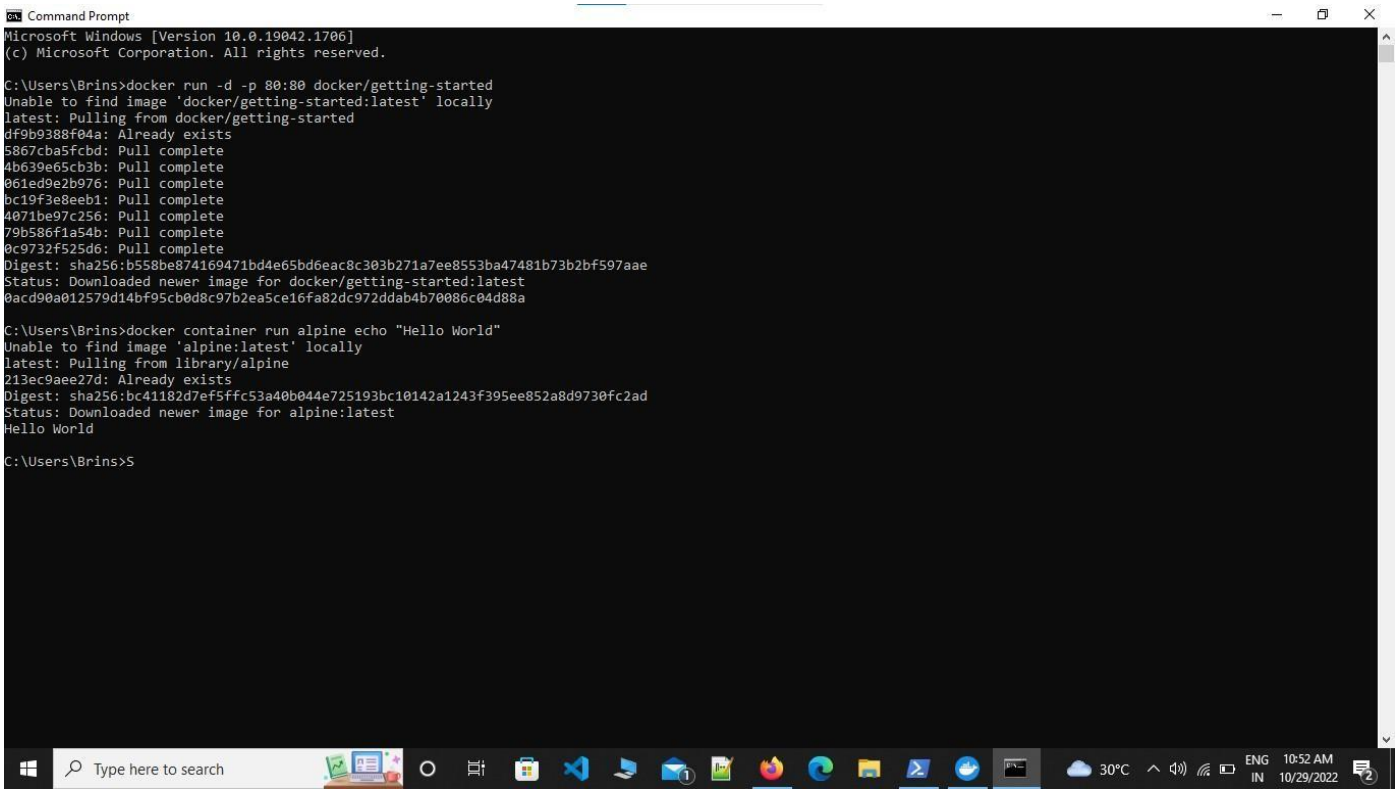

IBM
CAD-88-2A4E (A
uifd/ui-for-docker - D
Docker Playground
UI For Docker
Docker Desktop - Doc
Not secure
ip172-18-0-4-cd9an2u3tccg00fgf6k0-9000.direct.labs.play-with-docker.com/#/
UI For Docker
Dashboard
Containers
Containers Network
Images
Networks
Volumes
Info
Refresh
Running Containers
beautiful_goldwasser
Up About a minute
Status
Running
Stopped
Ghost
Containers created
1
0
21/10/2022
Images created
1
ENG
20:13
21-10-2022

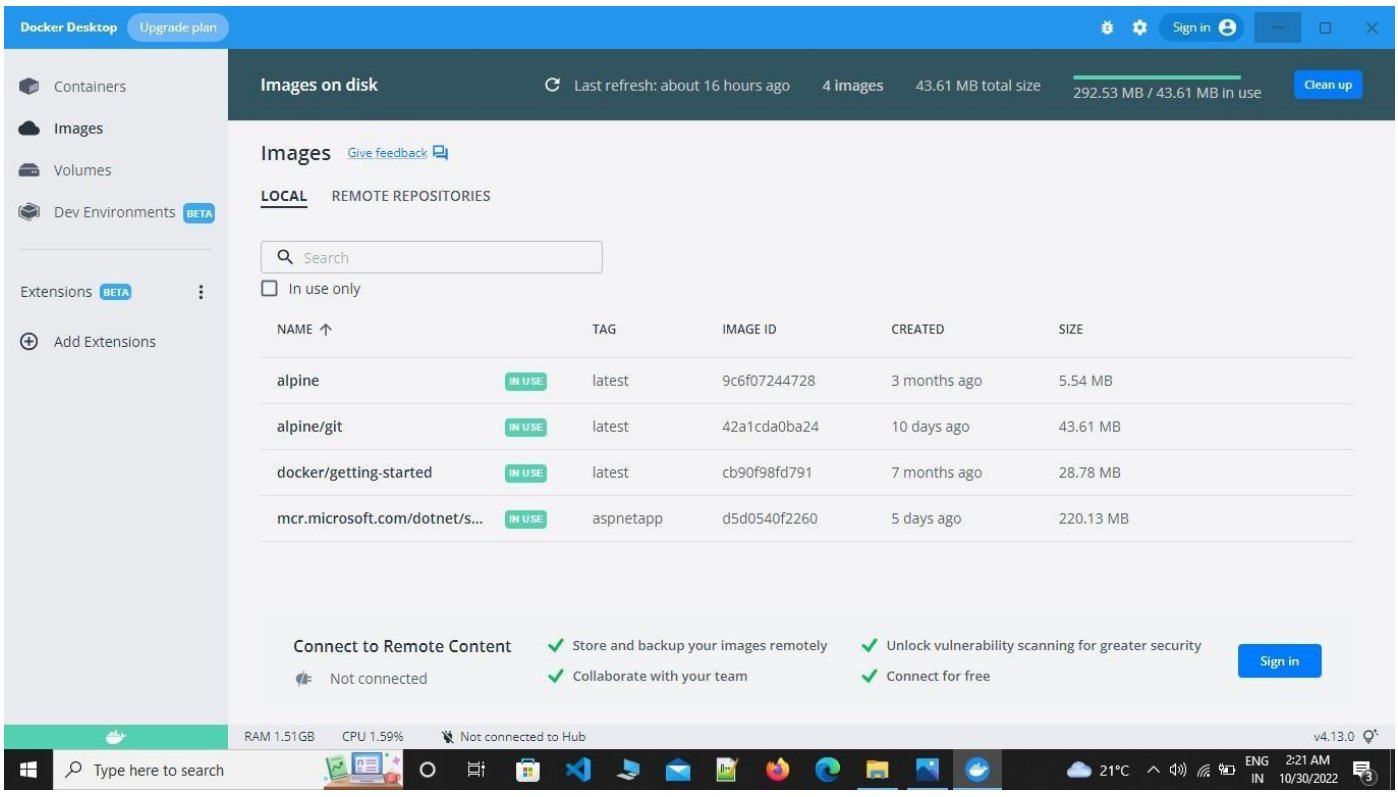
2. Create a docker file for the job portal application and deploy it in Docker desktop application.





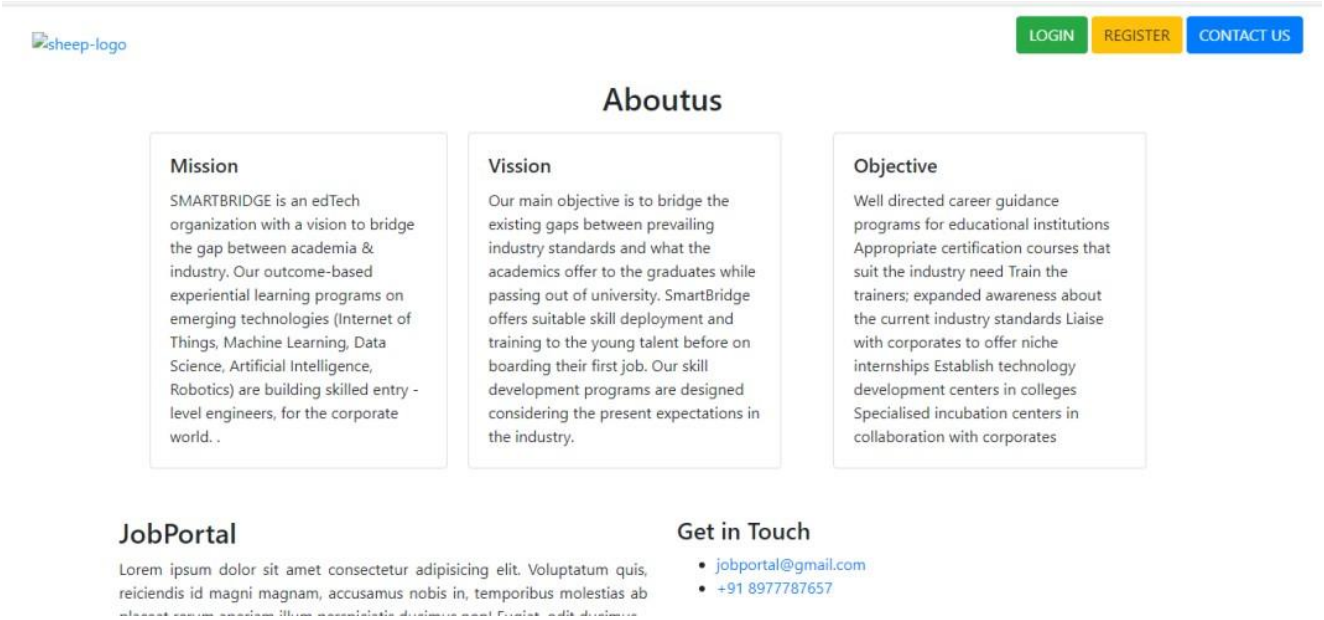
3. Create an IBM container registry and deploy a hello world app

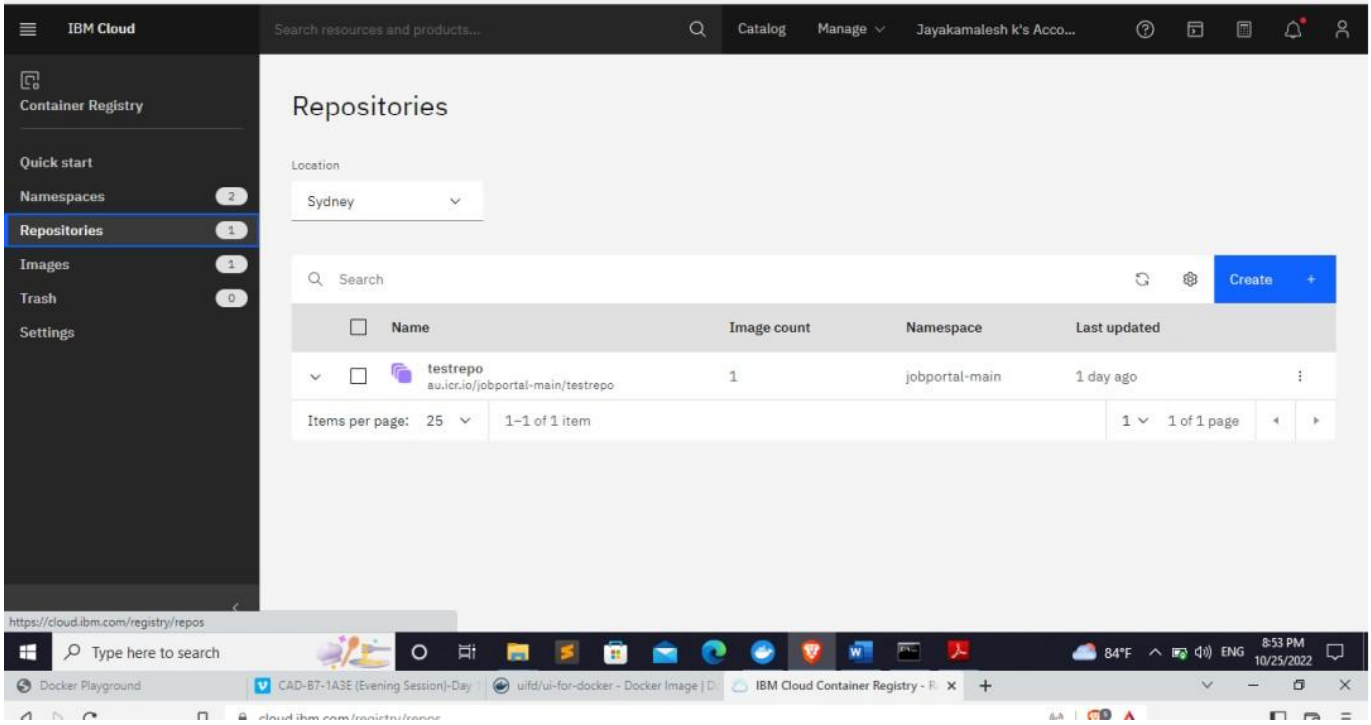


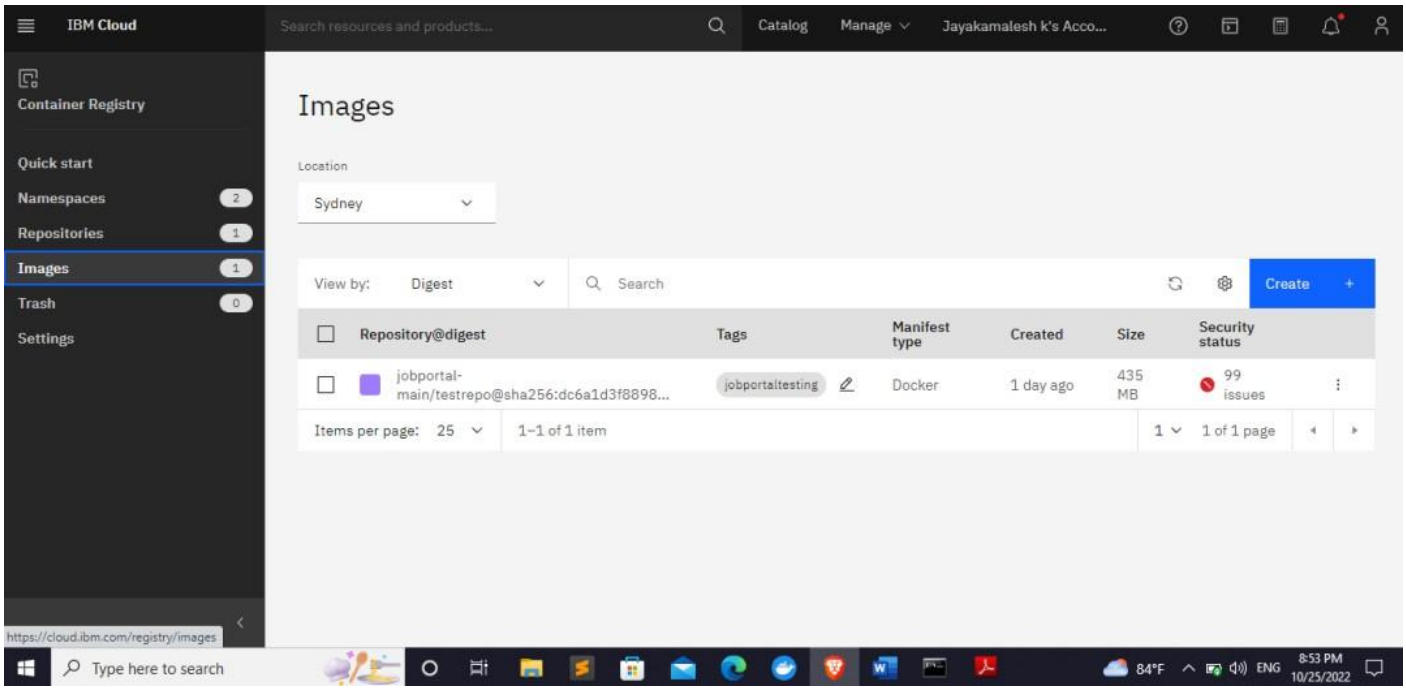


4. Create a Kubernetes cluster in IBM cloud and deploy a job portal image and also expose the same app to run in node port.

Job Portal:




IBM Cloud
Search resources and products...
Catalog
Manage
Jayakamalesh k's Acco...
Container Registry
Quick start
Namespaces 2
Repositories 1
Images 1
Trash 0
Settings
Repositories
Location
Sydney
Search
Create
Name
Image count
Namespace
Last updated
testrepo
au.icr.io/jobportal-main/testrepo
1
jobportal-main
1 day ago
Items per page: 25
1–1 of 1 item
1 of 1 page
https://cloud.ibm.com/registry/repos
Type here to search
84°F
ENG
8:53 PM
10/25/2022
Docker Playground
CAD-B7-1A3E (Evening Session)-Day
uifd/ui-for-docker - Docker Image | D
IBM Cloud Container Registry - R


IBM Cloud
Search resources and products...
Catalog
Manage
Jayakamalesh k's Acco...
Container Registry
Quick start
Namespaces 2
Repositories 1
Images 1
Trash 0
Settings
Images
Location
Sydney
View by: Digest
Search
Create
Repository@digest
Tags
Manifest type
Created
Size
Security status
jobportal-main/testrepo@sha256:dc6a1d3f8898...
jobportaltesting
Docker
1 day ago
435 MB
99 issues
Items per page: 25
1–1 of 1 item
1 of 1 page
https://cloud.ibm.com/registry/images
Type here to search
84°F
ENG
8:53 PM
10/25/2022