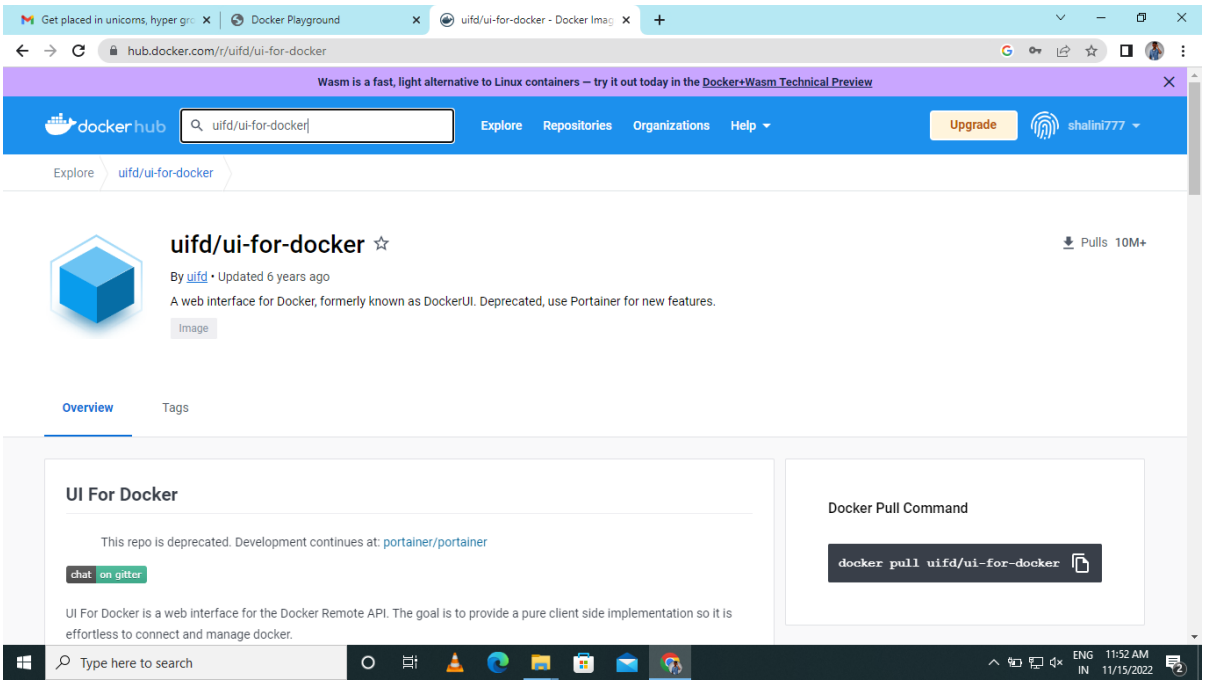
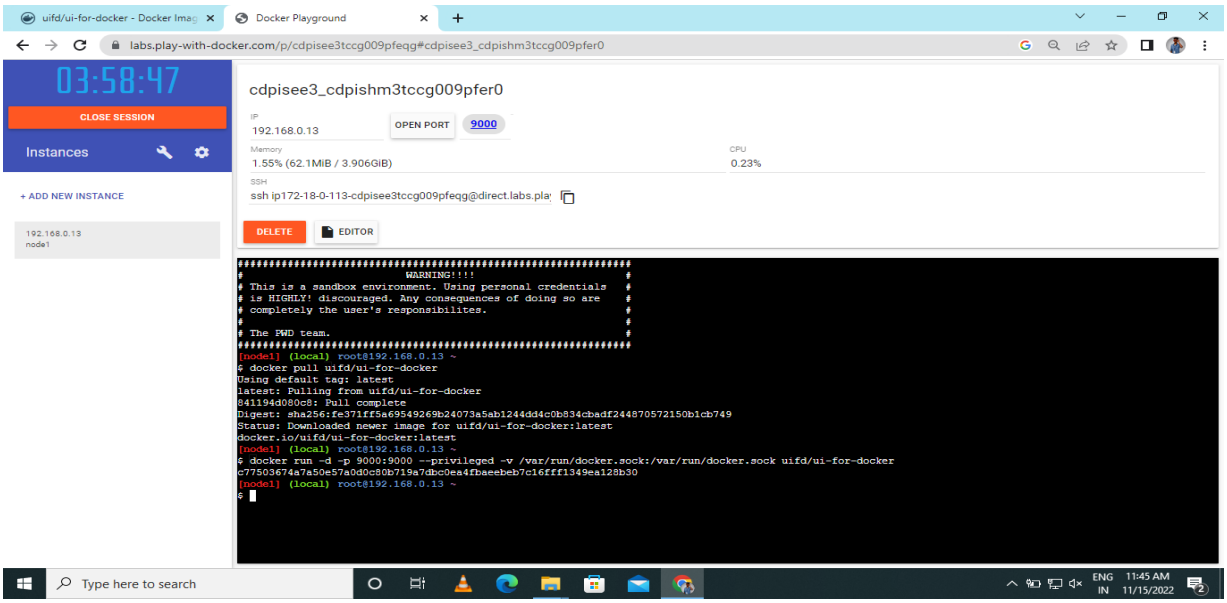
Assignment-4

Assignment Date	15 november 2022
Project name	News tracker application
Team id	PNT2022TMID44585
Maximum Marks	2 Marks

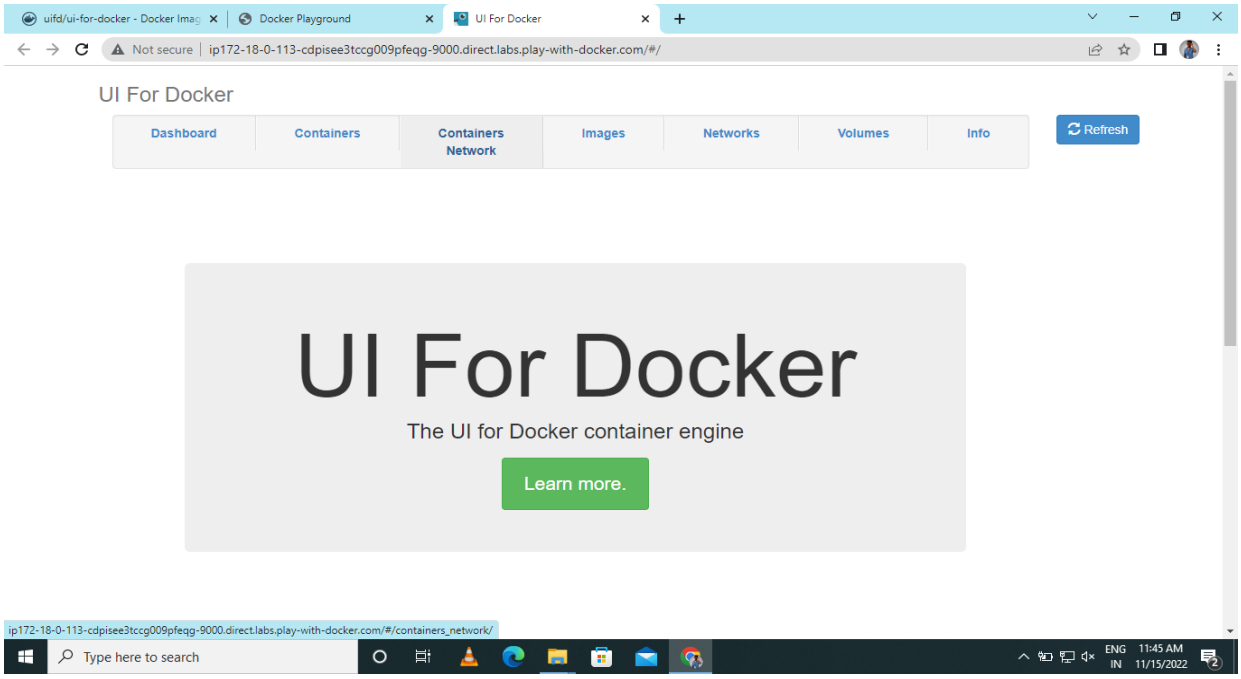
Question:

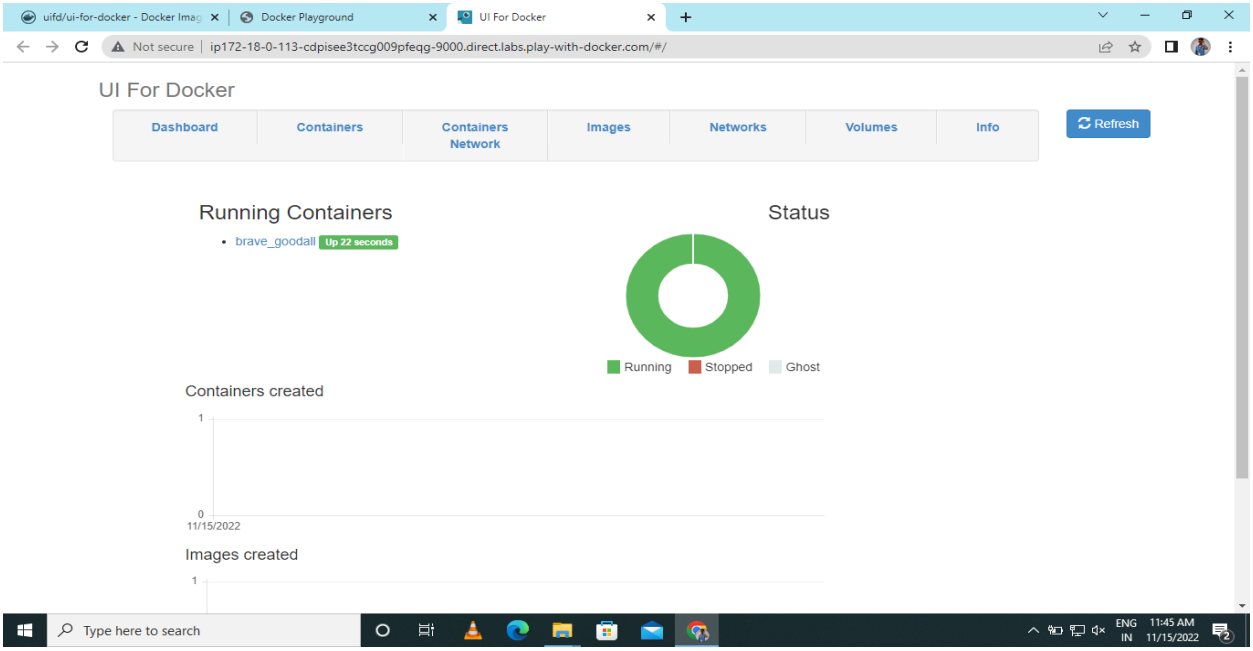
1. **Pull an Image from docker hub and run it in docker playground.**



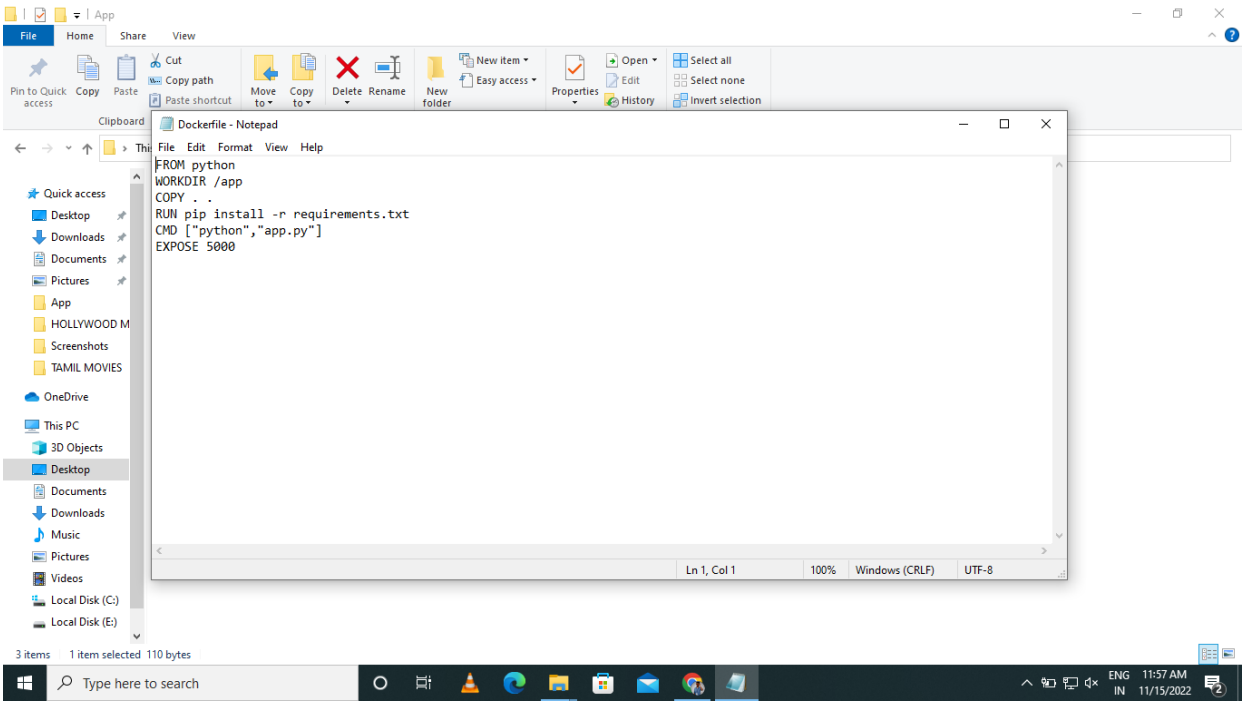


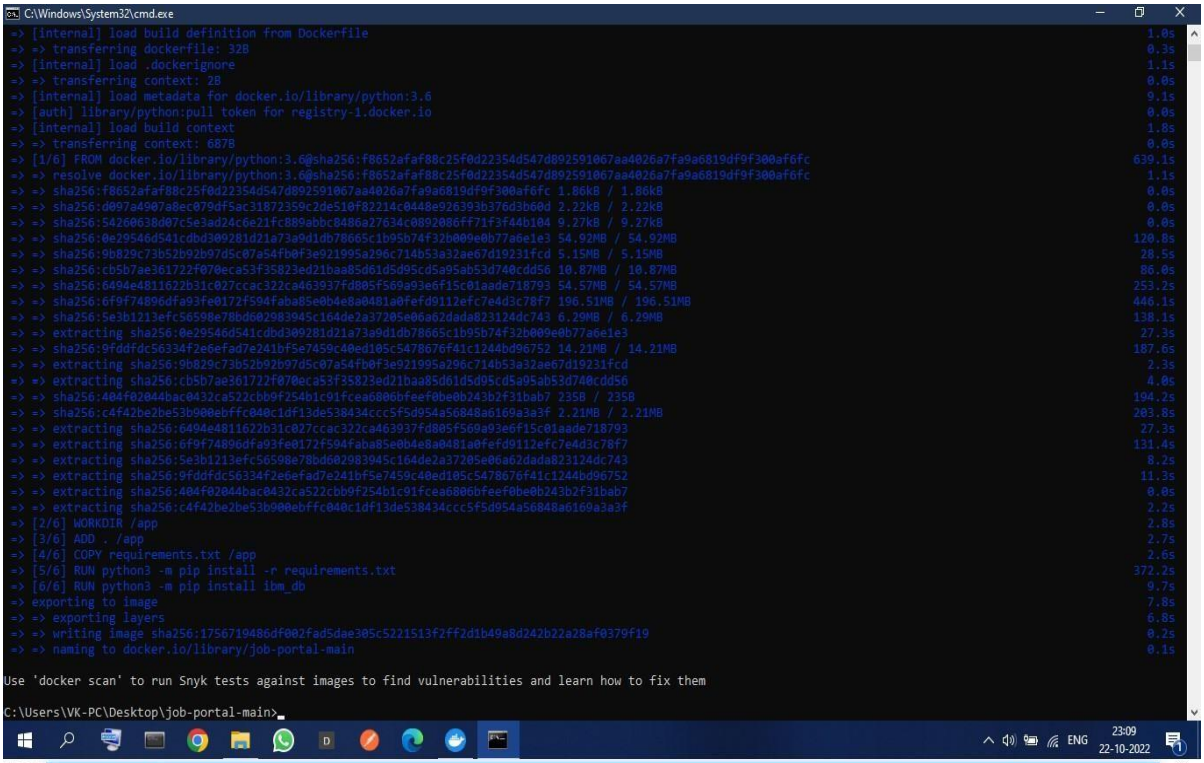
2.Create a docker file for the jobportal application and deploy it in Docker desktop application

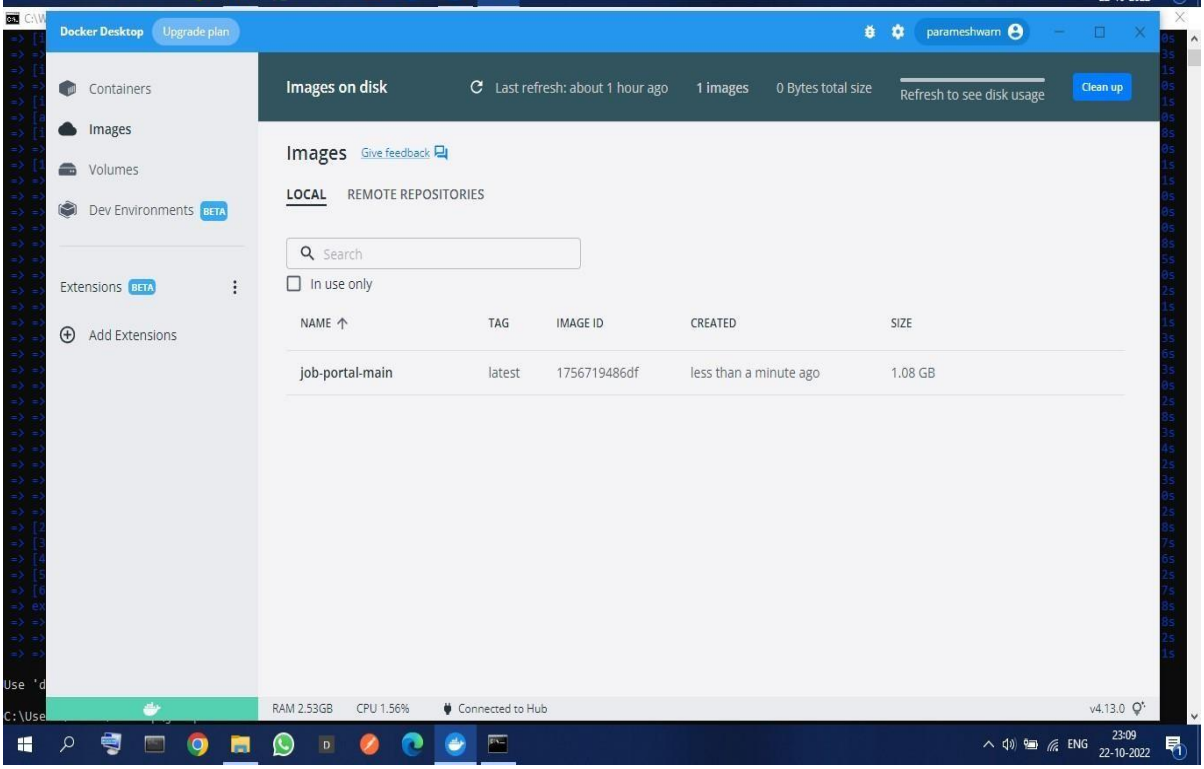




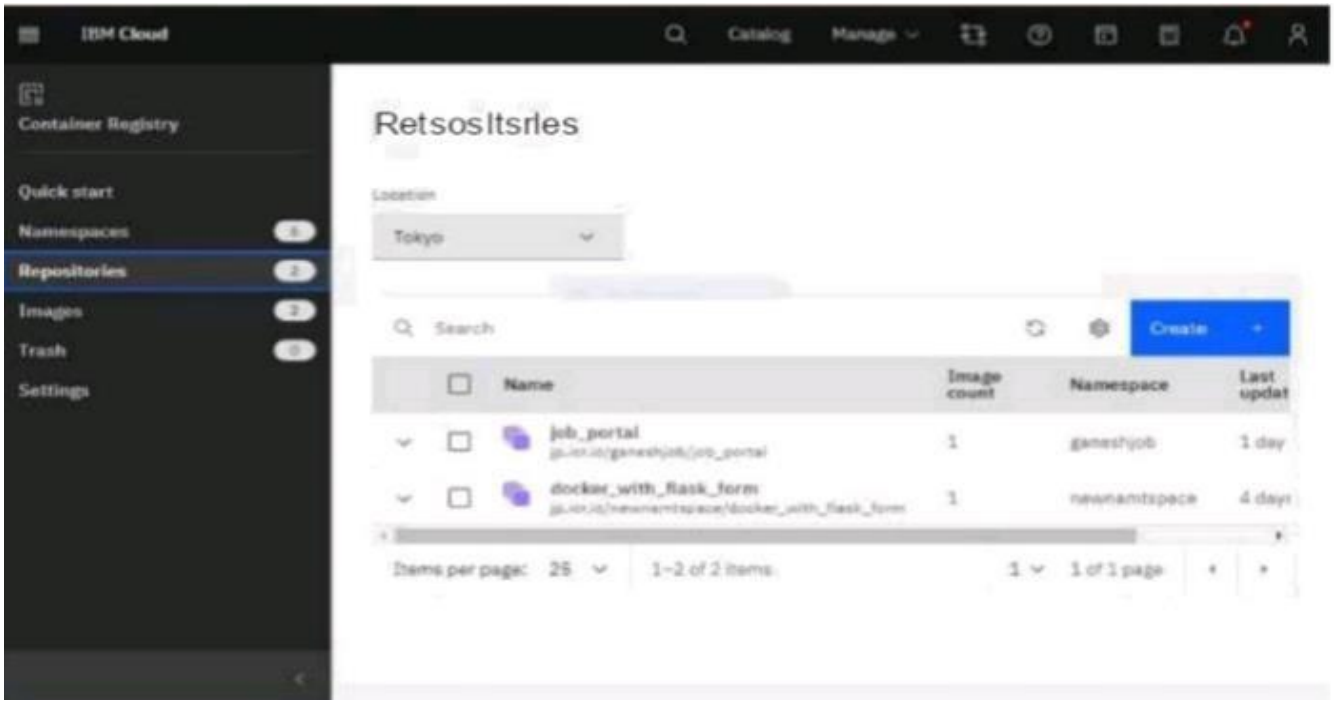
2.Create a docker file for the jobportal application and deploy it in Docker desktop application.

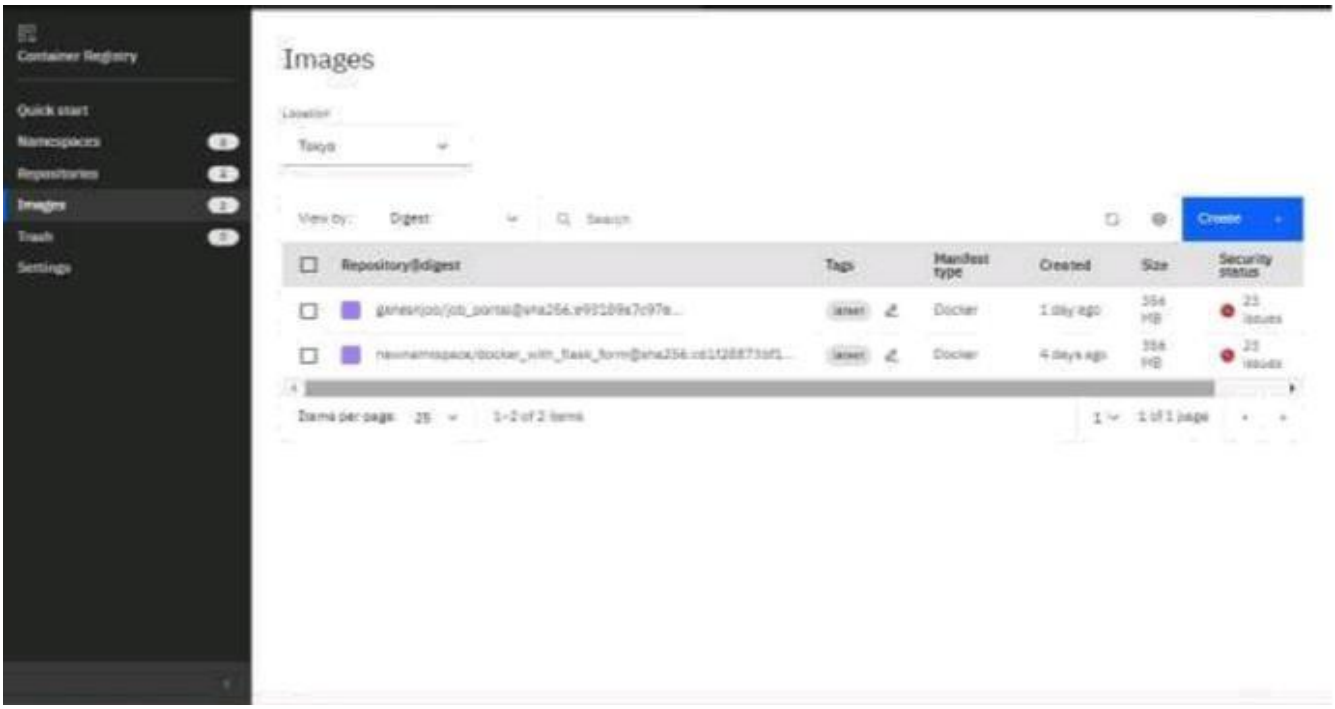



C:\Windows\System32\cmd.exe
=> [internal] load build definition from Dockerfile 1.0s
=> => transferring dockerfile: 32B 0.3s
=> [internal] load .dockerignore 1.1s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/python:3.6 9.1s
=> [auth] library/python:pull token for registry-1.docker.io 0.0s
=> [internal] load build context 1.8s
=> => transferring context: 687B 0.0s
=> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 639.1s
=> => resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.1s
=> => sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.86kB / 1.86kB 0.0s
=> => sha256:d097a4907a8ec079df5ac31872359c2de510f82214c0448e926393b376d3b60d 2.22kB / 2.22kB 0.0s
=> => sha256:54260638d07c5e3ad24c6e21fcB89abbc8486a27634c0892086ff71f3f44b104 9.27kB / 9.27kB 0.0s
=> => sha256:0e29546d541cdbd309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 54.92MB / 54.92MB 120.8s
=> => sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB 28.5s
=> => sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB 86.0s
=> => sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 54.57MB / 54.57MB 253.2s
=> => sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fefd9112efc7e4d3c78f7 196.51MB / 196.51MB 446.1s
=> => sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 6.29MB / 6.29MB 138.1s
=> => extracting sha256:0e29546d541cdbd309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 27.3s
=> => sha256:9fddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB 187.6s
=> => extracting sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 2.3s
=> => extracting sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 4.0s
=> => sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 235B / 235B 194.2s
=> => sha256:c4f42be2be53b900ebffc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB 203.8s
=> => extracting sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 27.3s
=> => extracting sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fefd9112efc7e4d3c78f7 131.4s
=> => extracting sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 8.2s
=> => extracting sha256:9fddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 11.3s
=> => extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 0.0s
=> => extracting sha256:c4f42be2be53b900ebffc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.2s
=> [2/6] WORKDIR /app 2.8s
=> [3/6] ADD . /app 2.7s
=> [4/6] COPY requirements.txt /app 2.6s
=> [5/6] RUN python3 -m pip install -r requirements.txt 372.2s
=> [6/6] RUN python3 -m pip install ibm_db 9.7s
=> exporting to image 7.8s
=> => exporting layers 6.8s
=> => writing image sha256:1756719486df002fad5dae305c5221513f2ff2d1b49a8d242b22a28af0379f19 0.2s
=> => naming to docker.io/library/job-portal-main 0.1s
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\Users\VK-PC\Desktop\job-portal-main>
ENG 23:09 22-10-2022


Docker Desktop
Upgrade plan
parameshwarn
Containers
Images
Volumes
Dev Environments BETA
Extensions BETA
Add Extensions
Images on disk
Last refresh: about 1 hour ago
1 images
0 Bytes total size
Refresh to see disk usage
Clean up
Images
Give feedback
LOCAL
REMOTE REPOSITORIES
Search
In use only
NAME
TAG
IMAGE ID
CREATED
SIZE
job-portal-main
latest
1756719486df
less than a minute ago
1.08 GB
RAM 2.53GB
CPU 1.56%
Connected to Hub
v4.13.0
ENG 23:09 22-10-2022

3.create a IBM container registry and deploy helloworld app or jobportalapp app.

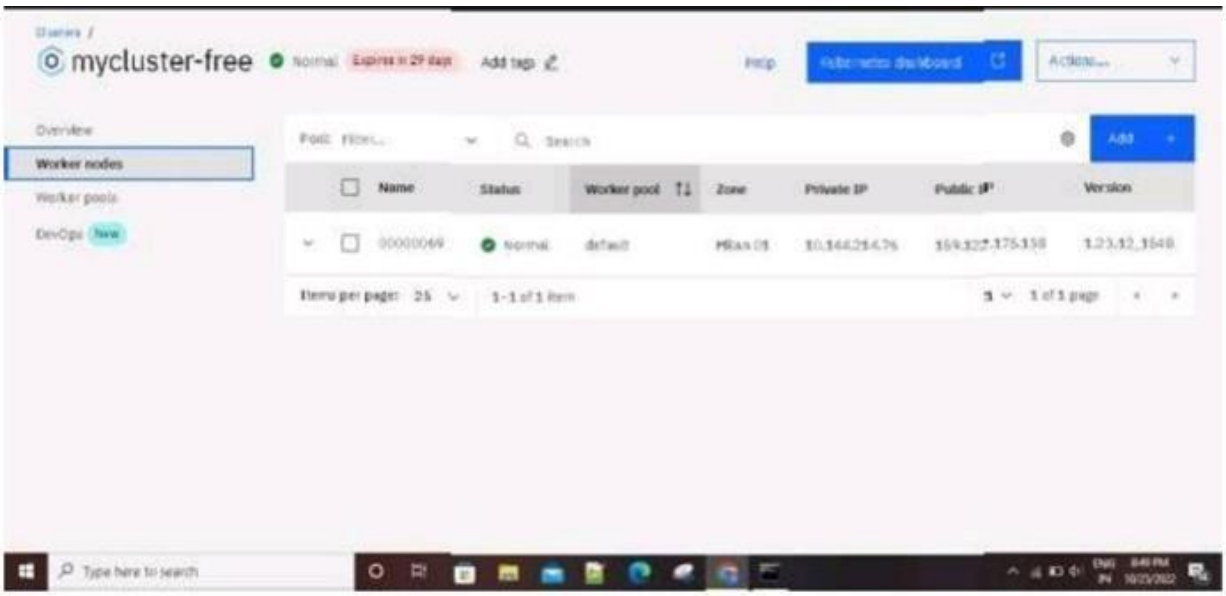




Deploy helloworld or jobportal

4. Create a Kubernetes cluster in IBM cloud and deploy helloworld imageor jobportal image and also expose the same app to run in nodeport.

Creating a kubernetes cluster in ibm cloud



Expose the same app to run in noteport