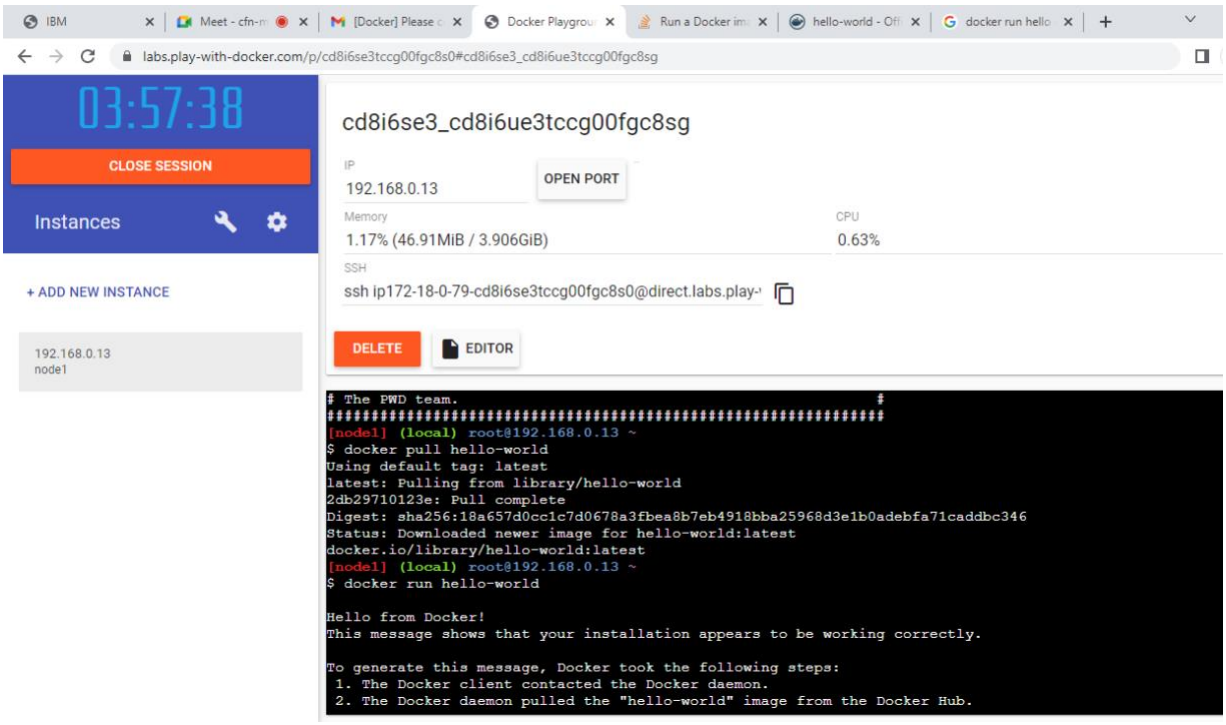
Assignment-4

Assignment Date	02 November 2022
Student Name	Thiyagarajan s
Student Roll Number	920819104049
Maximum Marks	2 Marks

Question-1:

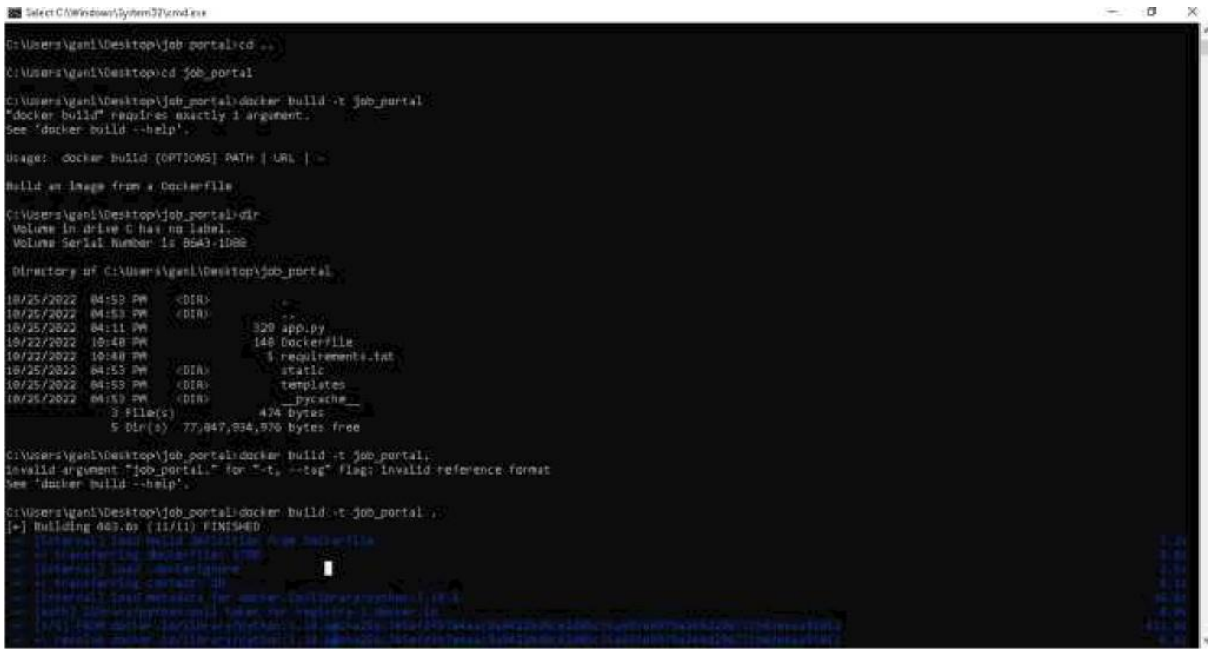
1)Pull an image from docker hub and run it in docker playground.

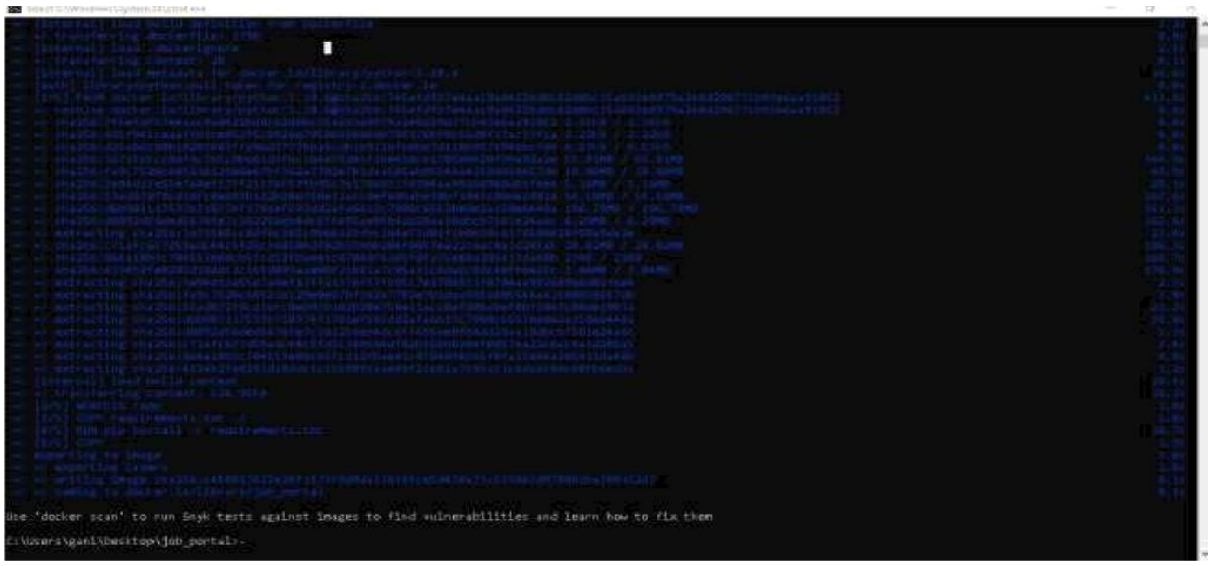
Docker Playground:

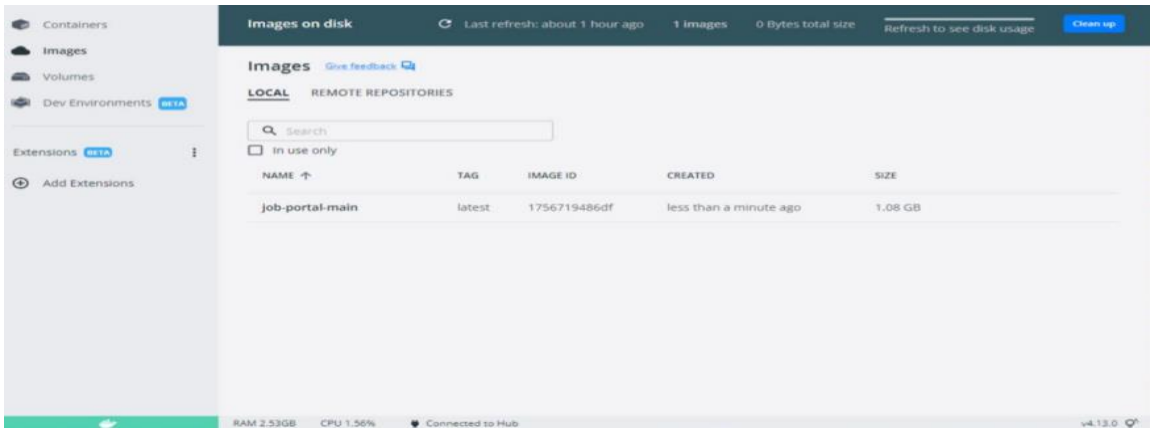


Question 2:

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

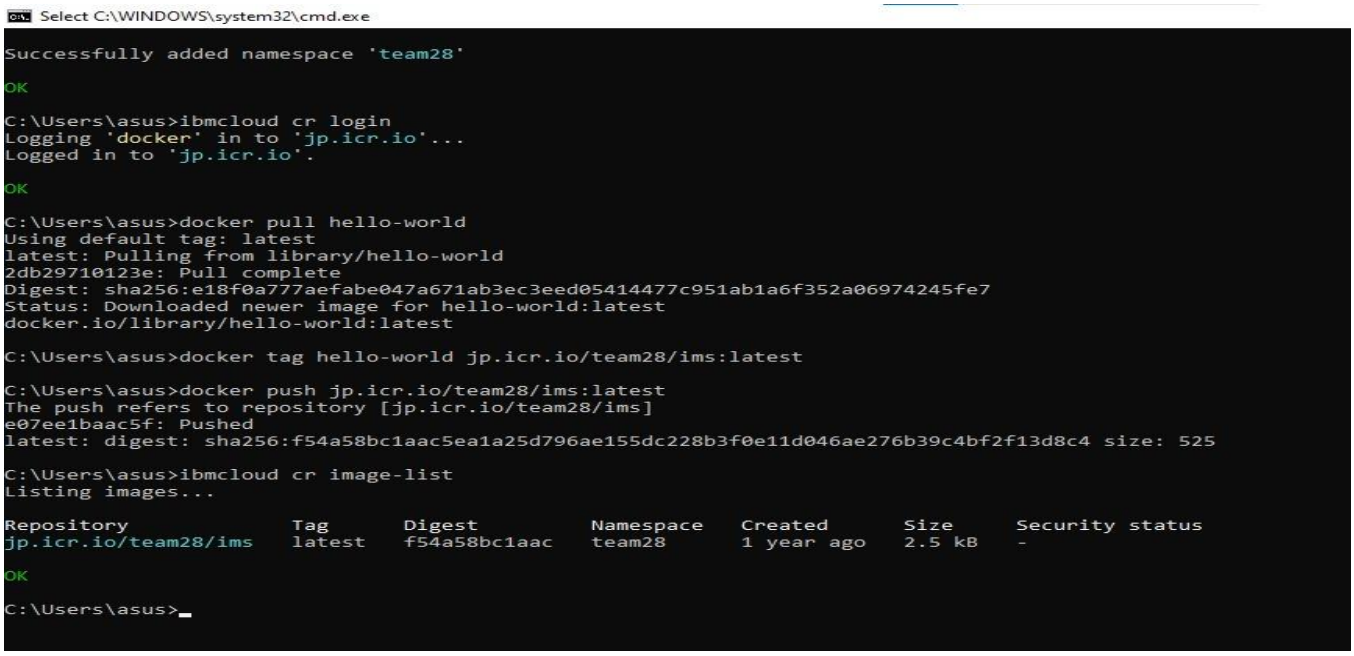

Select C:\Windows\System32\cmd.exe
C:\Users\ganl\Desktop\job_portal>cd ..
C:\Users\ganl\Desktop>cd job_portal
C:\Users\ganl\Desktop\job_portal>docker build -t job_portal
"docker build" requires exactly 1 argument.
See 'docker build --help'.
Usage: docker build [OPTIONS] PATH | URL | -
Build an image from a Dockerfile
C:\Users\ganl\Desktop\job_portal>dir
Volume in drive C has no label.
Volume Serial Number is B6A3-1D88
Directory of C:\Users\ganl\Desktop\job_portal
10/25/2022 04:53 PM <DIR> .
10/25/2022 04:53 PM <DIR> ..
10/25/2022 04:11 PM 320 app.py
10/22/2022 10:48 PM 148 Dockerfile
10/22/2022 10:48 PM 6 requirements.txt
10/25/2022 04:53 PM <DIR> static
10/25/2022 04:53 PM <DIR> templates
10/25/2022 04:53 PM <DIR> __pycache__
3 File(s) 474 bytes
5 Dir(s) 77,847,834,976 bytes free
C:\Users\ganl\Desktop\job_portal>docker build -t job_portal.
Invalid argument "job_portal." for "-t, --tag" flag: invalid reference format
See 'docker build --help'.
C:\Users\ganl\Desktop\job_portal>docker build -t job_portal .
[+] Building 603.6s (11/11) FINISHED

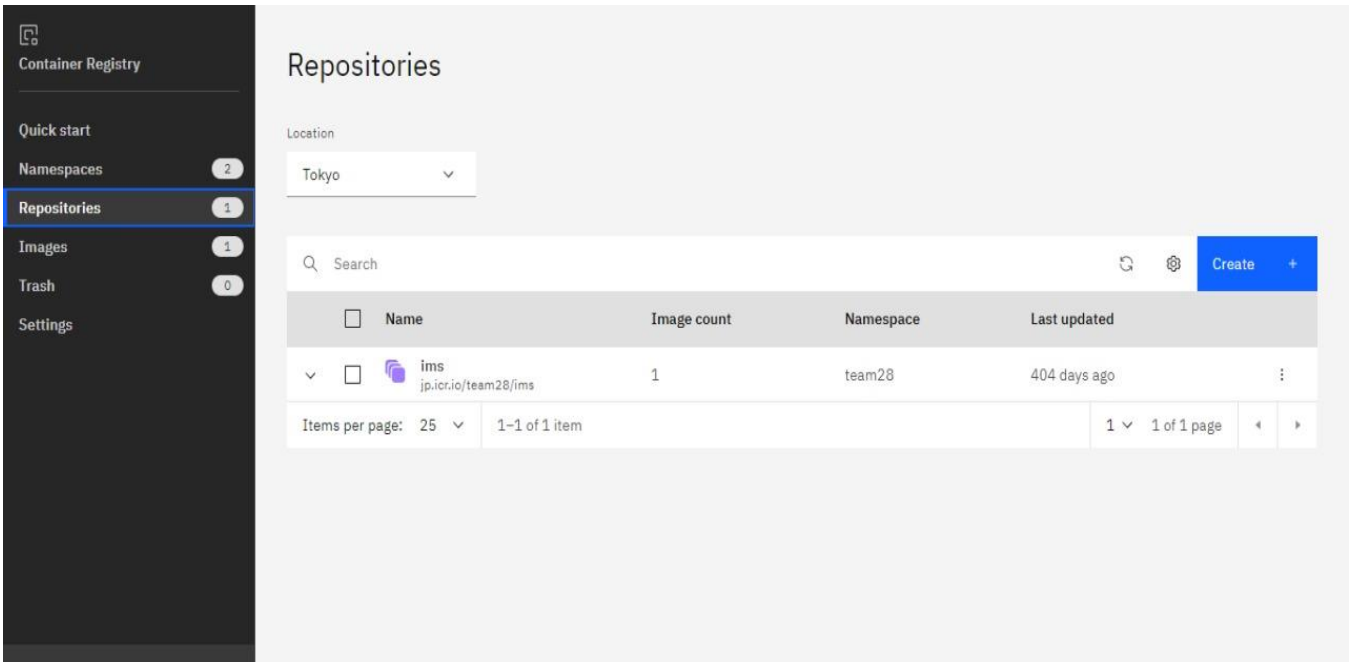

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\Users\ganl\Desktop\job_portal>


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

Question 3:

Create a IBM container registry and deploy helloworld app or jobportalapp.





Question 4:

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