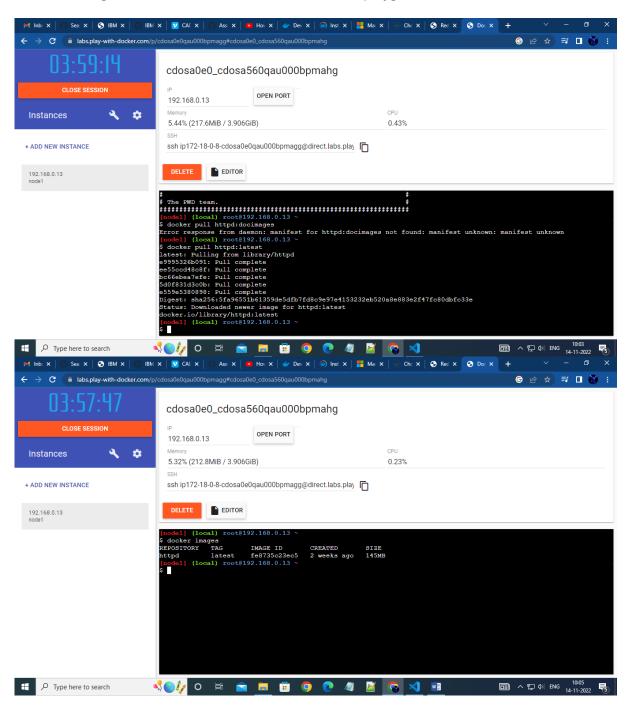
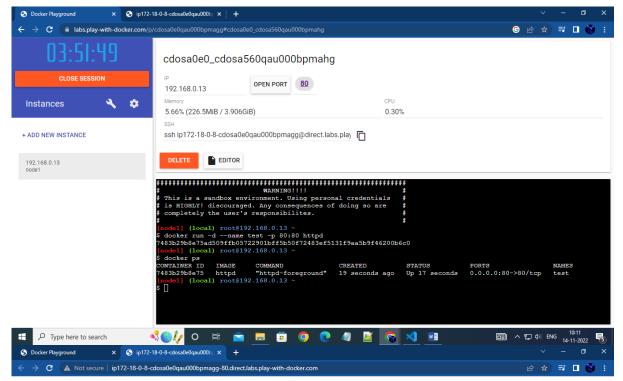
Assignment -4

Assignment Date	15 November 2022
Student Name	PRADHYUN P
Student Roll Number	212219040108
Maximum Marks	2 Marks

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



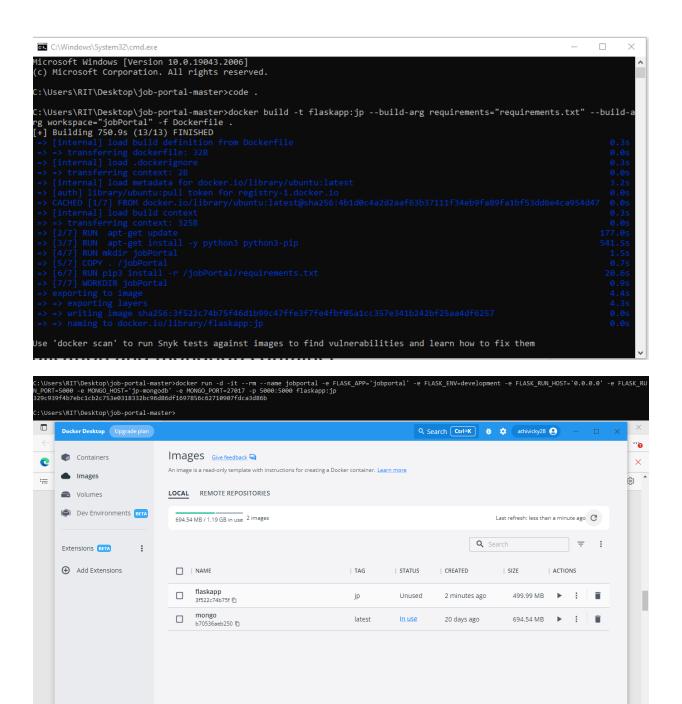


It works!



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

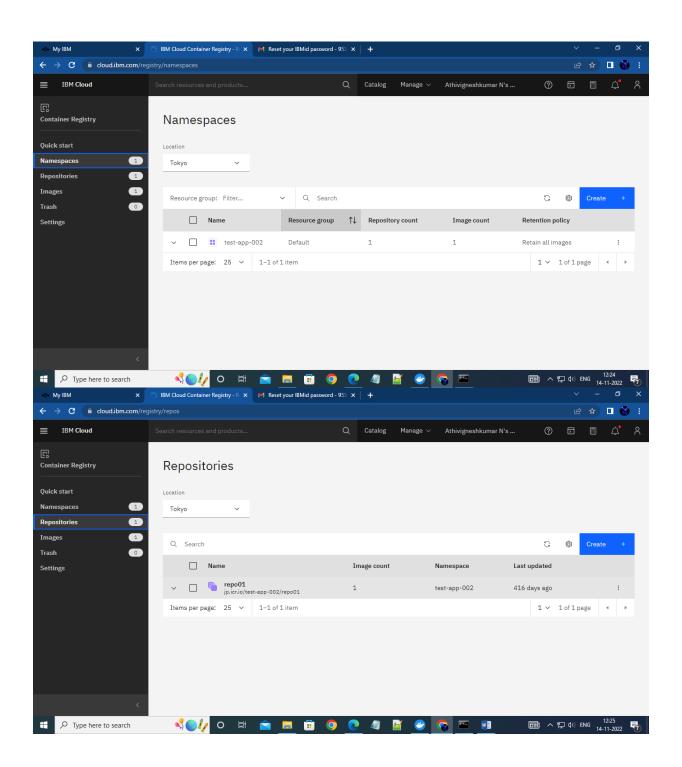
```
PS C:\Users\RIT\Desktop\job-portal-master> docker run -d -it --rm --name jp-mongodb -p 27017:27017 -e MONGO_INITDB_ROOT_USERNAME="root" -e MONGO_I
NITDB_ROOT_PASSWORD="root-rusteez" mongo
Unable to find image 'mongo:latest' locally
latest: Pulling from library/mongo
eaead16dc43b: Pull complete
8300eb9f68a0: Pull complete
f683956749c5: Pull complete
33342bea915a: Pull complete
33342bea915a: Pull complete
138a8542a624: Pull complete
138a8542a624: Pull complete
68335710e84: Pull complete
68335710e84: Pull complete
58335710e84: Pull complete
58335710e84: Pull complete
138a856123643: Pull complete
138a856173a63fc2438845714f6c8a2505968ee0beeb94ec77a88ef12190f7cee9b95f32
Status: Downloaded newer image for mongo:latest
01adeb5492af8323e5d62299c7a1372f34e2583891bdefae268f95f74a76a80c
```

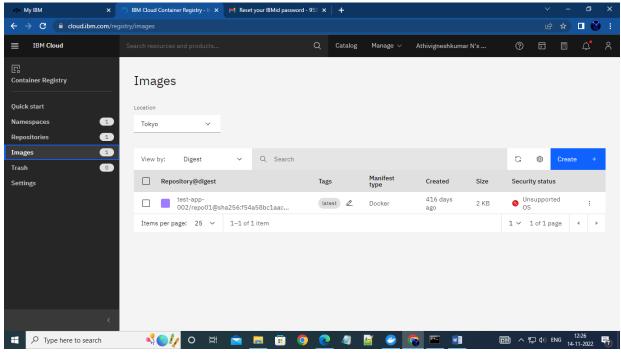


3. Create a IBM container registry and deploy helloworld app or jobportalapp.

RAM 3.52GB CPU 0.23% Connected to Hub

Type here to search





```
::\Users\RIT>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: jp-tok
Email> 953619104006
Password>
C:\Users\RIT>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: jp-tok
Email> 953619104006@ritrjpm.ac.in
Password>
Authenticating...
Targeted account Athivigneshkumar N's Account (331b915ecbfc4e7290278776aa39995b)
API endpoint:
                        https://cloud.ibm.com
                        jp-tok
Region:
User:
                        953619104006@ritrjpm.ac.in
                        Athivigneshkumar N's Account (331b915ecbfc4e7290278776aa39995b)
No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
Account:
Resource group:
CF API endpoint:
Org:
Space:
C:\Users\RIT>ibmcloud target -g Default
C:\Users\RIT>ibmcloud cr login --client docker
Logging 'docker' in to 'jp.icr.io'...
Logged in to 'jp.icr.io'.
C:\Users\RIT>docker push jp.icr.io/test-app-002/repo01
Using default tag: latest
The push refers to repository [jp.icr.io/test-app-002/repo01]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
C:\Users\RIT>ibmcloud cr image-list
Listing images...
Repository
jp.icr.io/test-app-002/repo01
                                            Digest
                                                            Namespace
                                                                            Created
                                                                                          Size
                                                                                                    Security status
                                  Tag
                                  latest
                                            f54a58bc1aac
                                                            test-app-002
                                                                            1 year ago
                                                                                          2.5 kB
C:\Users\RIT>
```

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

