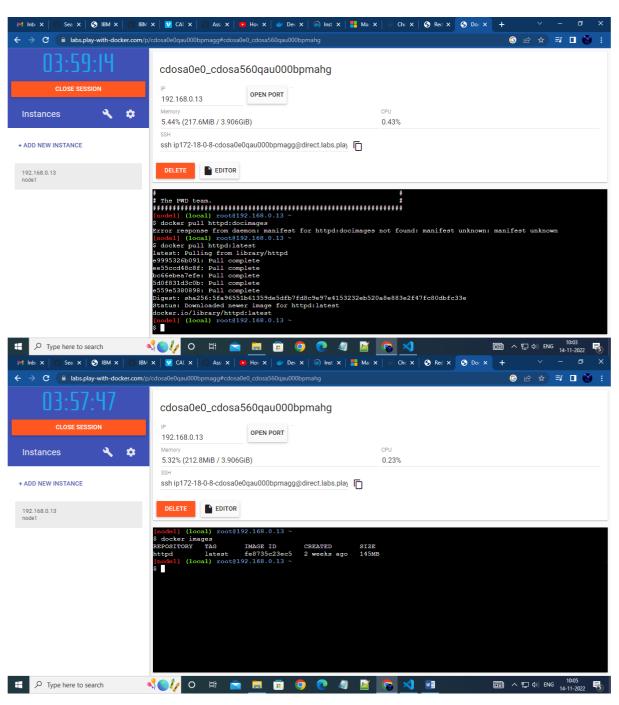
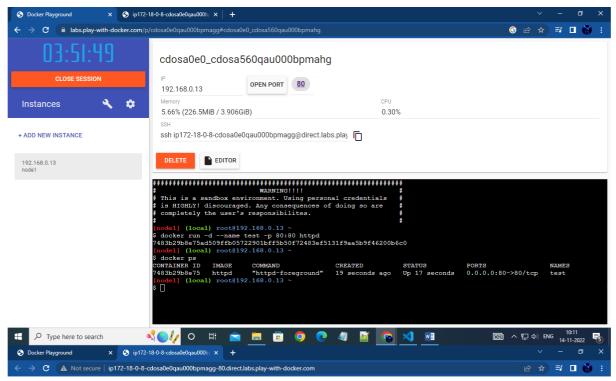
Assignment -4

Assignment Date	14 November 2022
Student Name	Rohini S
Student Roll Number	AC19UIT041
Maximum Marks	2 Marks

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



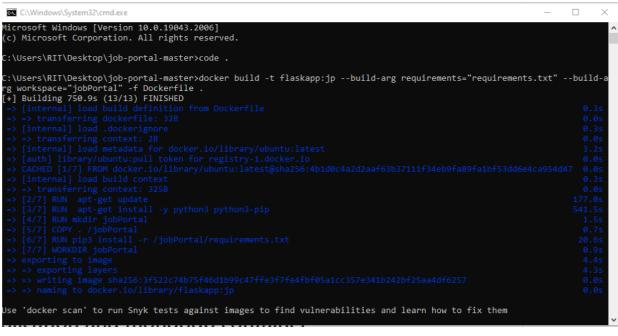


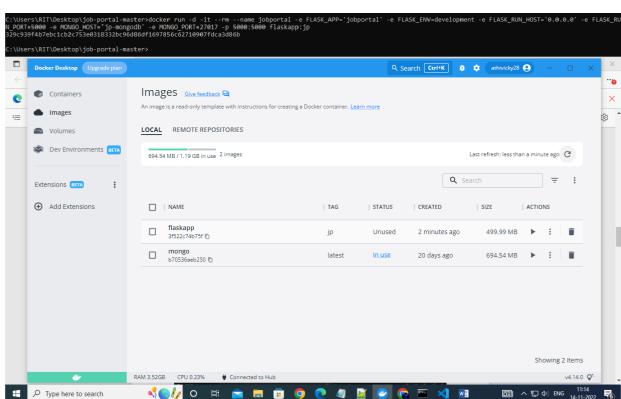
It works!



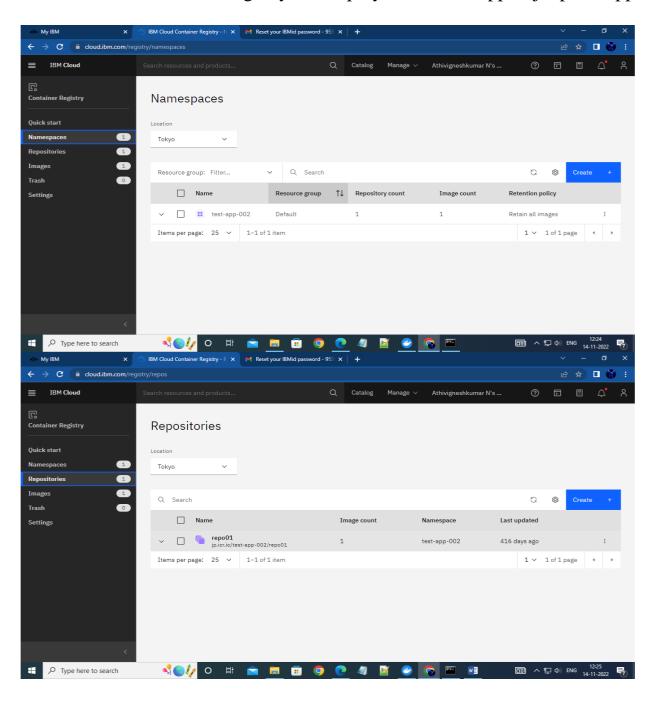
2. Job portal application and deploy it in Docker desktop application.

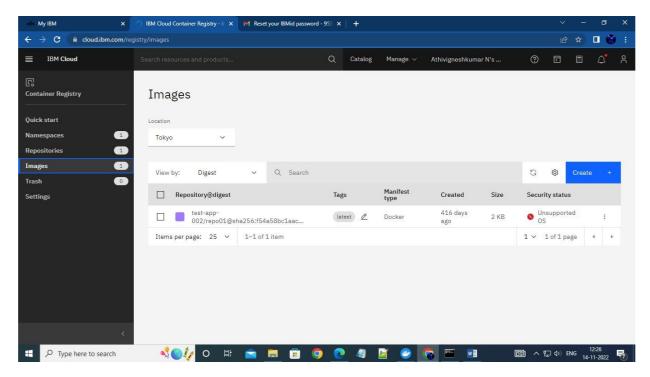
```
PS C:\Users\RIT\Desktop\job-portal-master> docker run -d -it --rm --name jp-mongodb -p 27017:27017 -e MONGO_INITDB_ROOT_USERNAME="root" -e MONGO_I
NITDB_ROOT_PASSWORD="root-rusteez" mongo
Unable to find image 'mongo:latest' locally
latest: Pulling from library/mongo
eaeadi6dc43b: Pull complete
8a00eb9f68a0: Pull complete
68a3956749c5: Pull complete
b33b2f05ea20: Pull complete
13a342bea015a: Pull complete
13a342bea015a: Pull complete
13a3624624: Pull complete
13a3624624: Pull complete
13a38521684: Pull complete
15a385716884: Pull complete
15a385716884: Pull complete
15a85526:71a6316c2438e45714f6c8a2505968ee0beeb94ec77a88ef12190f7cee9b95f32
Status: Downloaded newer image for mongo:latest
01adeb5492af8323e5d62299c7a1372f34e2583891bdefae268f95f74a76a80c
```





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





```
C:\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
Region:
                      jp-tok
                      953619104006@ritrjpm.ac.in
User:
                      Athivigneshkumar N's Account (331b915ecbfc4e7290278776aa39995b)
Account:
                      No resource group targeted, use 'ibmcloud target -g RESOURCE GROUP'
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
                                                                                    Size
                                                                                             Security status
                                        Digest
                                                                       Created
                               Tag
latest
                                                        Namespace
                                         f54a58bc1aac
                                                                                    2.5 kB
                                                        test-app-002
                                                                       1 year ago
 :\Users\RIT>_
```

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

