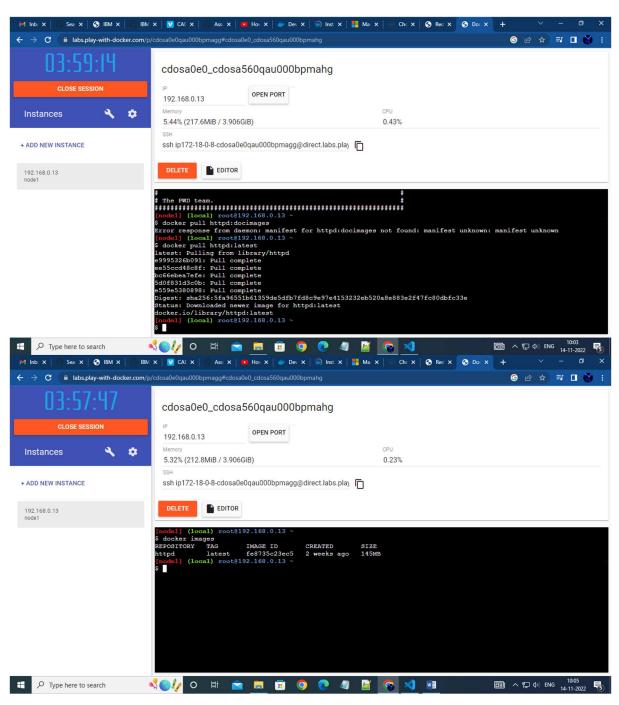
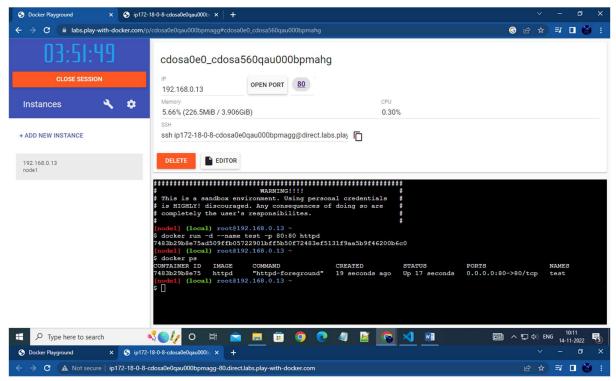
## Assignment -4

Assignment Date	14 November 2022
Student Name	ROHINI S
Student Roll Number	AC19UIT040
Maximum Marks	2 Marks

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



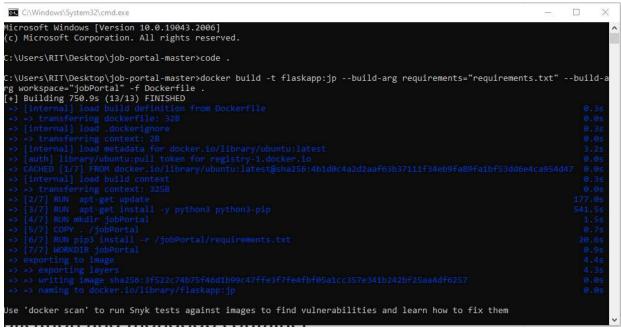


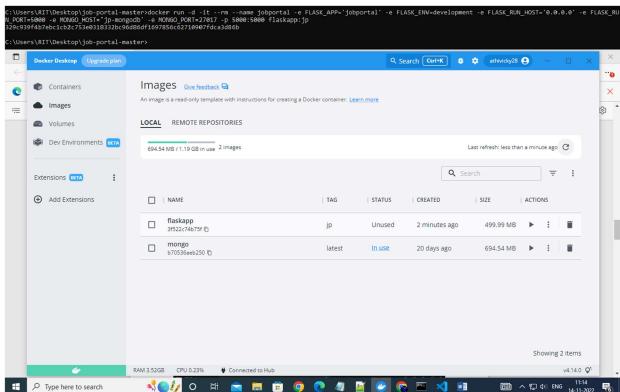
It works!



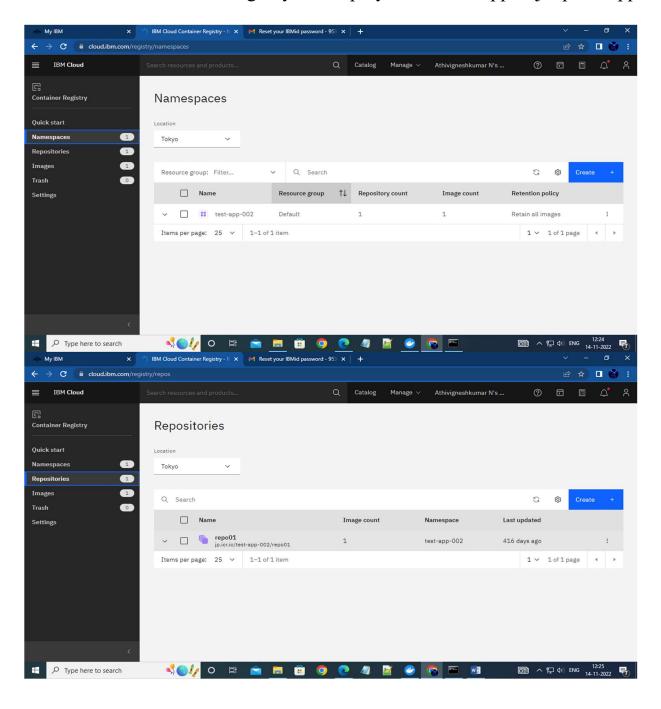
2. Job portal application and deploy it in Docker desktop application.

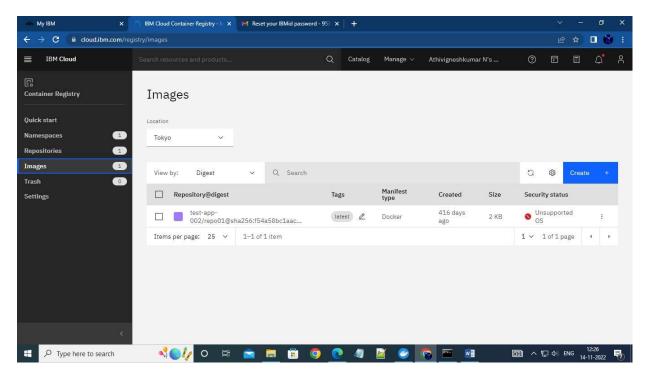
```
PS C:\Users\RIT\Desktop\job-portal-master> docker run -d -it --rm --name jp-mongodb -p 27017:27017 -e MONGO_INITDB_ROOT_USERNAME="root" -e MONGO_I
NITDB_ROOT_PASSWORD="root-rusteez" mongo
Unable to find image 'mongo:latest' locally
latest: Pulling from library/mongo
eaeadid6c43b: Pull complete
8a00eb9f68a0: Pull complete
683956749c5: Pull complete
533342bea915a: Pull complete
53342bea915a: Pull complete
f689956ab1c2f0: Pull complete
138a8542a624: Pull complete
138a8542a624: Pull complete
138a8547a624: Pull complete
68335710e84: Pull complete
68335710e84: Pull complete
58335710e84: Pull complete
58335710e84: Pull complete
68335710e84: Pull complete
```





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





```
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
                                        Digest
                                                                                  Size
                                                                                           Security status
                               Tag
latest
                                                       Namespace
                                                                     Created
                                                       test-app-002
                                        f54a58bc1aac
                                                                                  2.5 kB
                                                                     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

