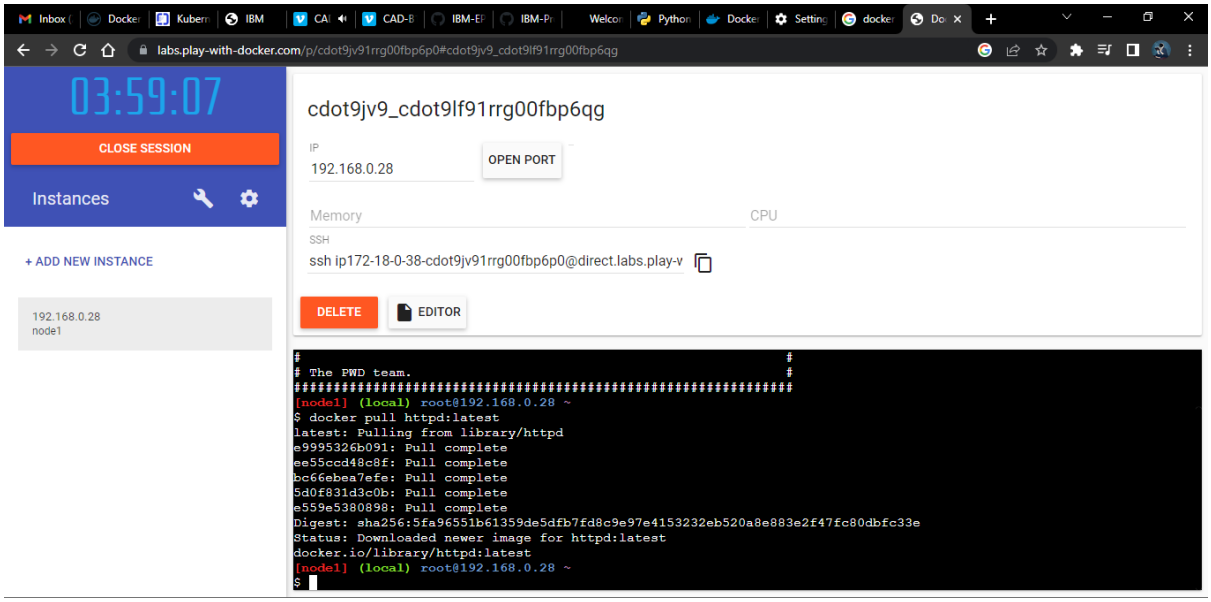
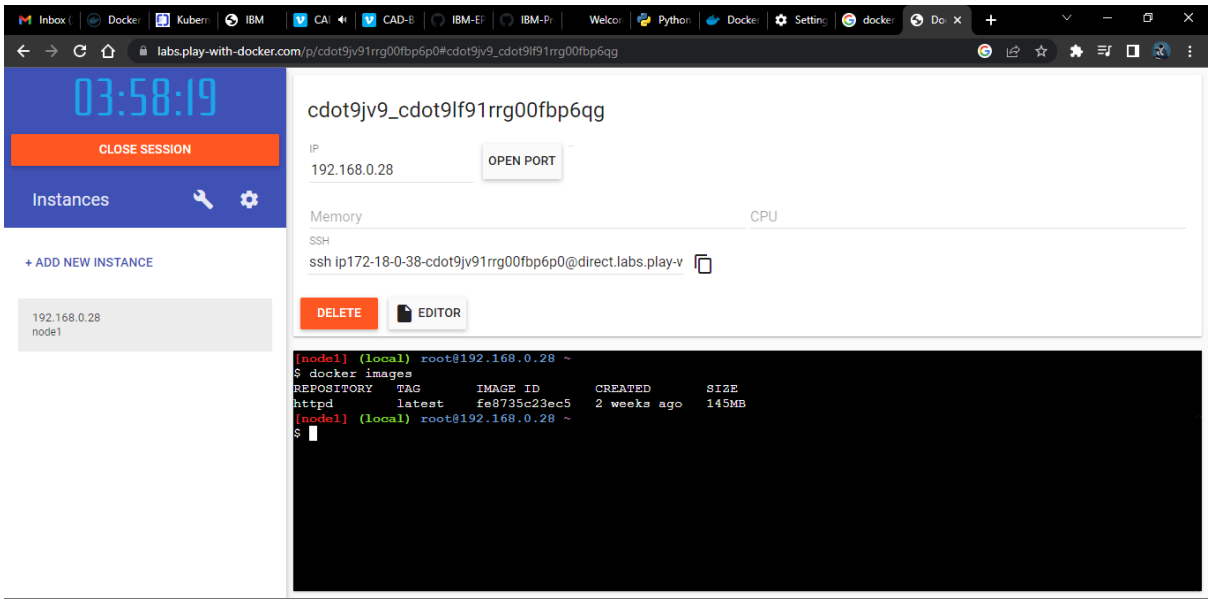
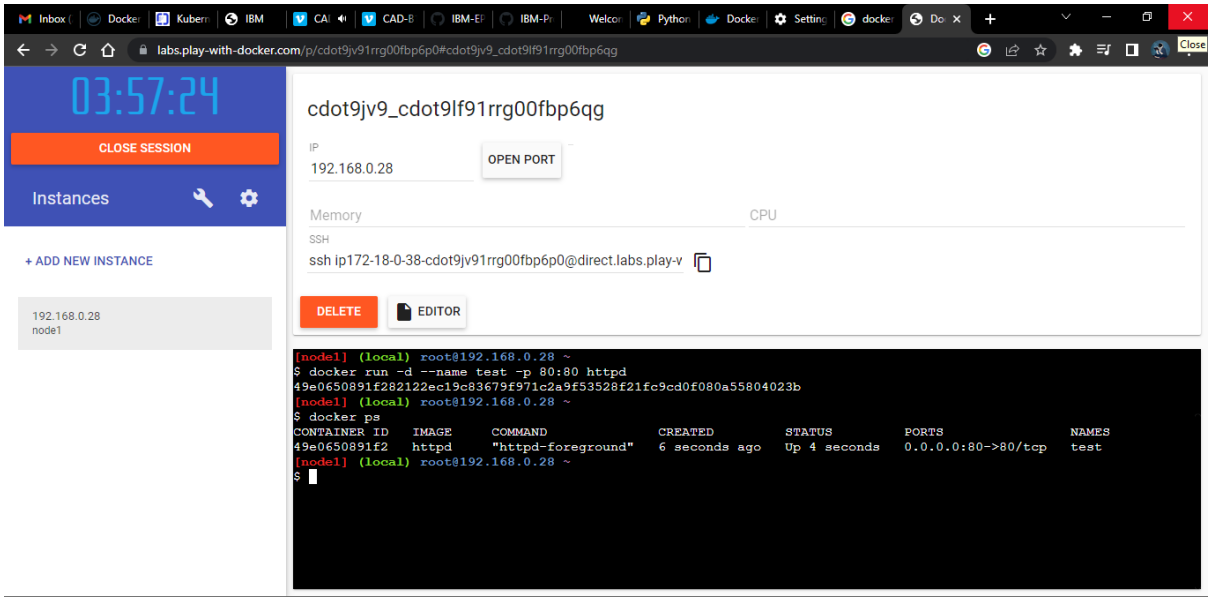
Assignment - 4

Assignment Date	13 November 2022
Student Name	PRASATH A
Student Roll Number	953619104031
Maximum Marks	2 Marks

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



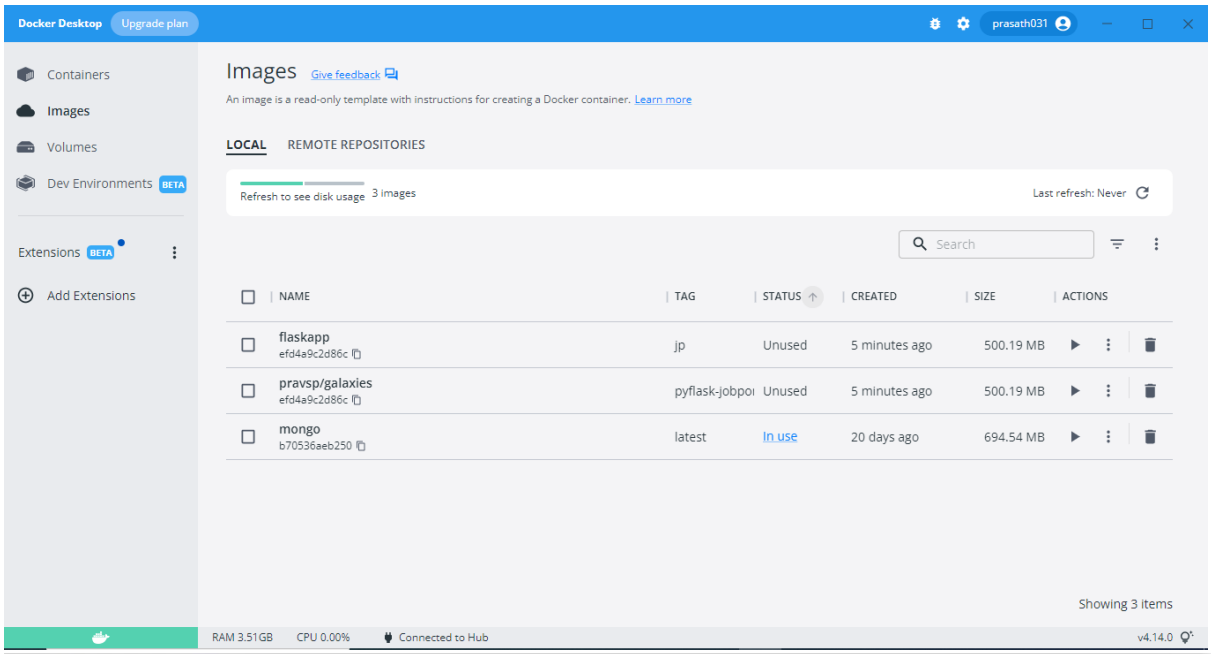


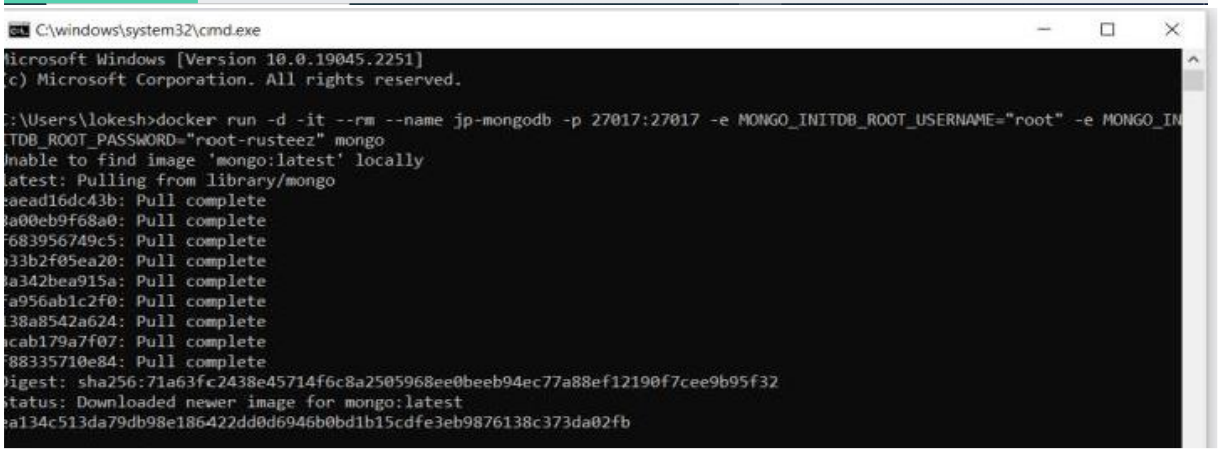

labs.play-with-docker.com/p/cdot9jv91rrg00fbp6p0#cdot9jv9_cdot9lf91rrg00fbp6qg
03:57:24
CLOSE SESSION
Instances
+ ADD NEW INSTANCE
192.168.0.28
node1
cdot9jv9_cdot9lf91rrg00fbp6qg
IP
192.168.0.28
OPEN PORT
Memory
CPU
SSH
ssh ip172-18-0-38-cdot9jv91rrg00fbp6p0@direct.labs.play-v
DELETE
EDITOR
[node1] (local) root@192.168.0.28 ~
$ docker run -d --name test -p 80:80 httpd
49e0650891f282122ec19c83679f971c2a9f53528f21fc9cd0f080a55804023b
[node1] (local) root@192.168.0.28 ~
$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
49e0650891f2 httpd "httpd-foreground" 6 seconds ago Up 4 seconds 0.0.0.0:80->80/tcp test
[node1] (local) root@192.168.0.28 ~
$

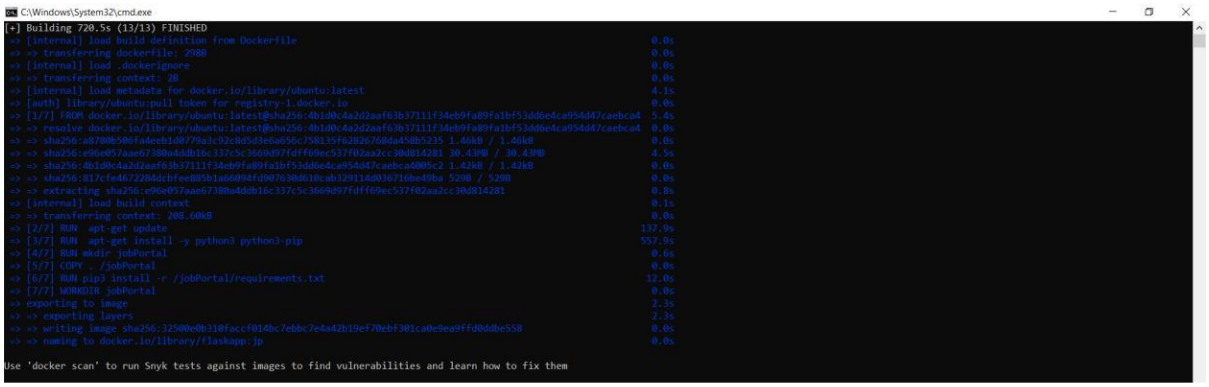

Not secure
ip172-18-0-38-cdot9jv91rrg00fbp6p0-80.direct.labs.play-with-docker.com

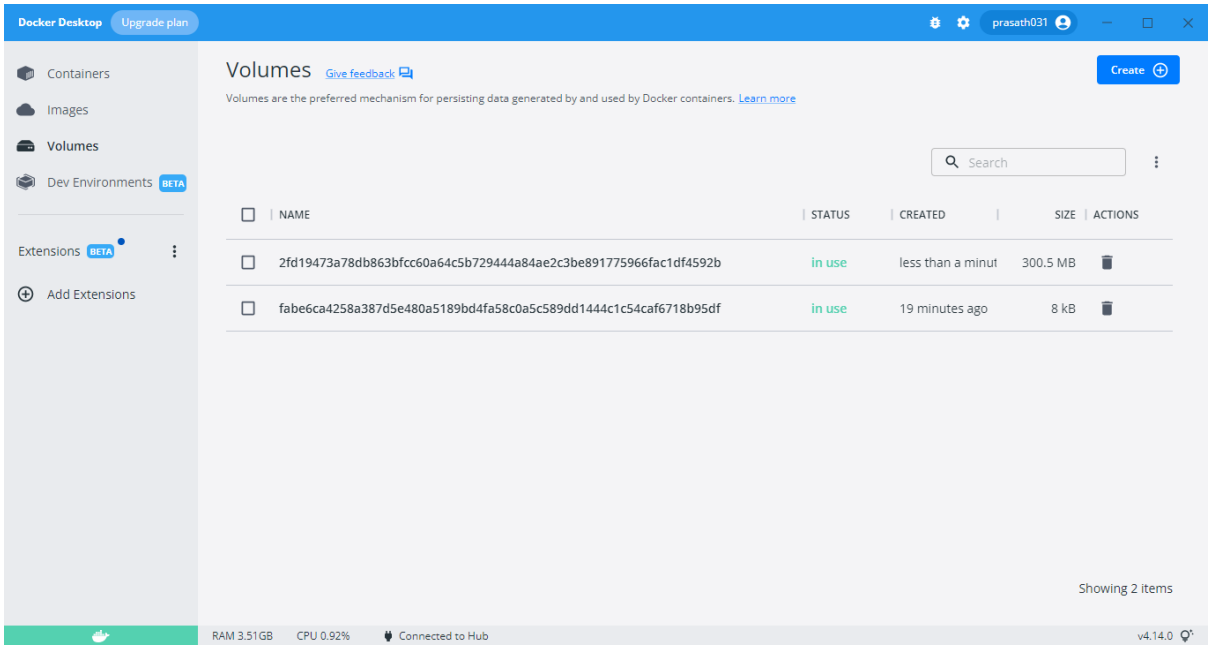
It works!

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

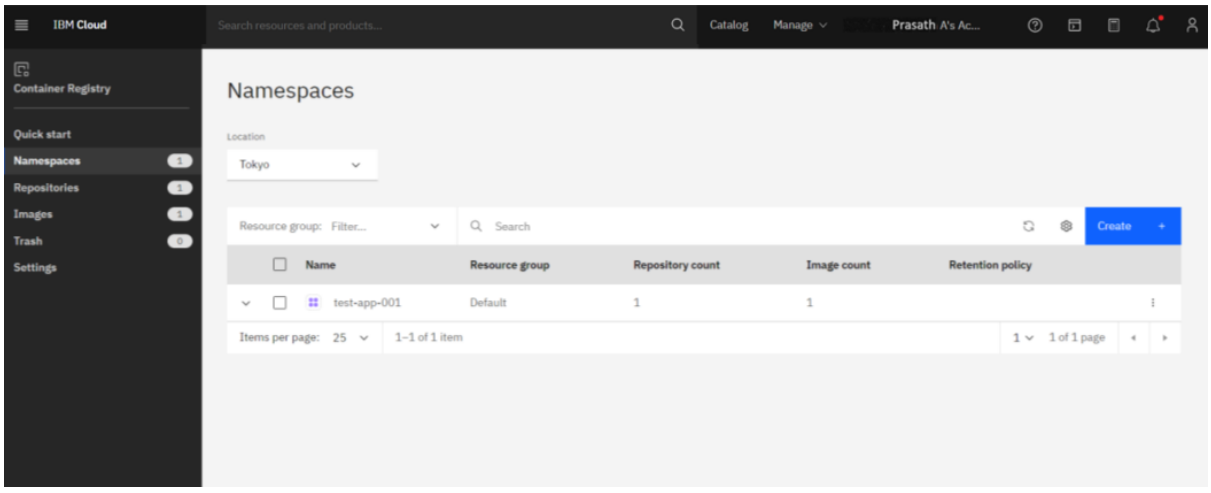


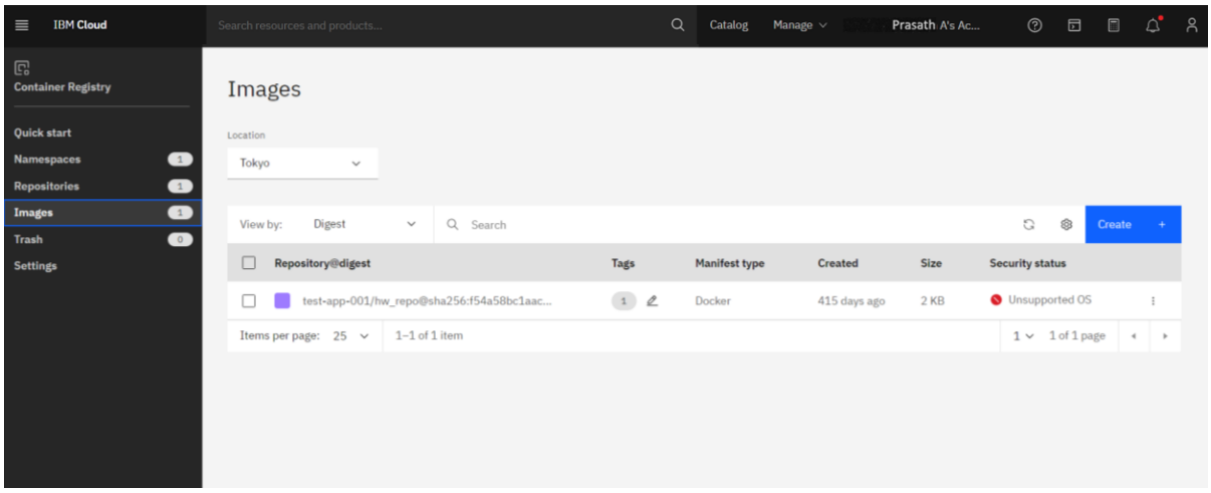


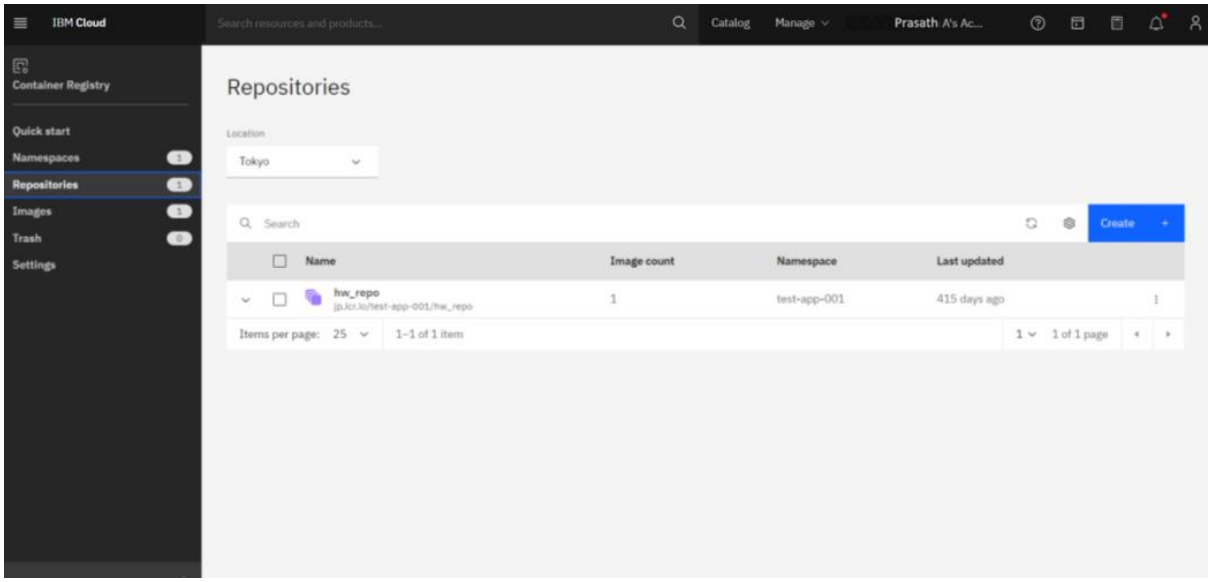




3. Create a IBM container registry and deploy helloworld app or jobportalapp.







Select C:\windows\system32\cmd.exe

```
Microsoft Windows [Version 10.0.19045.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\lokesh>ibmcloud login
API endpoint: https://cloud.ibm.com

Email> 953619104026@ritrjpm.ac.in

Password>
Authenticating...
OK

Targeted account Lokesh iyyappan A's Account (6cfc0d4f330147559716e90f5718cfc2)


Select a region (or press enter to skip):
1. au-syd
2. in-che
3. jp-osa
4. jp-tok
5. kr-seo
6. eu-de
7. eu-gb
8. ca-tor
9. us-south
10. us-east
11. br-sao
Enter a number> 4
Targeted region jp-tok


API endpoint:      https://cloud.ibm.com
Region:            jp-tok
User:              953619104026@ritrjpm.ac.in
Account:           Lokesh iyyappan A's Account (6cfc0d4f330147559716e90f5718cfc2)
Resource group:    No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

C:\Users\lokesh>cd C:\Users\lokesh\job-portal-master

C:\Users\lokesh\job-portal-master>docker tag mongo icr.io/test-app-001/repo001
```

```
C:\Users\lokesh\job-portal-master>ibmcloud cr login --client docker
Logging 'docker' in to 'jp.icr.io'...
Logged in to 'jp.icr.io'.

OK

C:\Users\lokesh\job-portal-master>docker push jp.icr.io/test-app-001/hw_repo:1
The push refers to repository [jp.icr.io/test-app-001/hw_repo]
e07ee1baac5f: Pushed
1: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525

C:\Users\lokesh\job-portal-master>
```

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