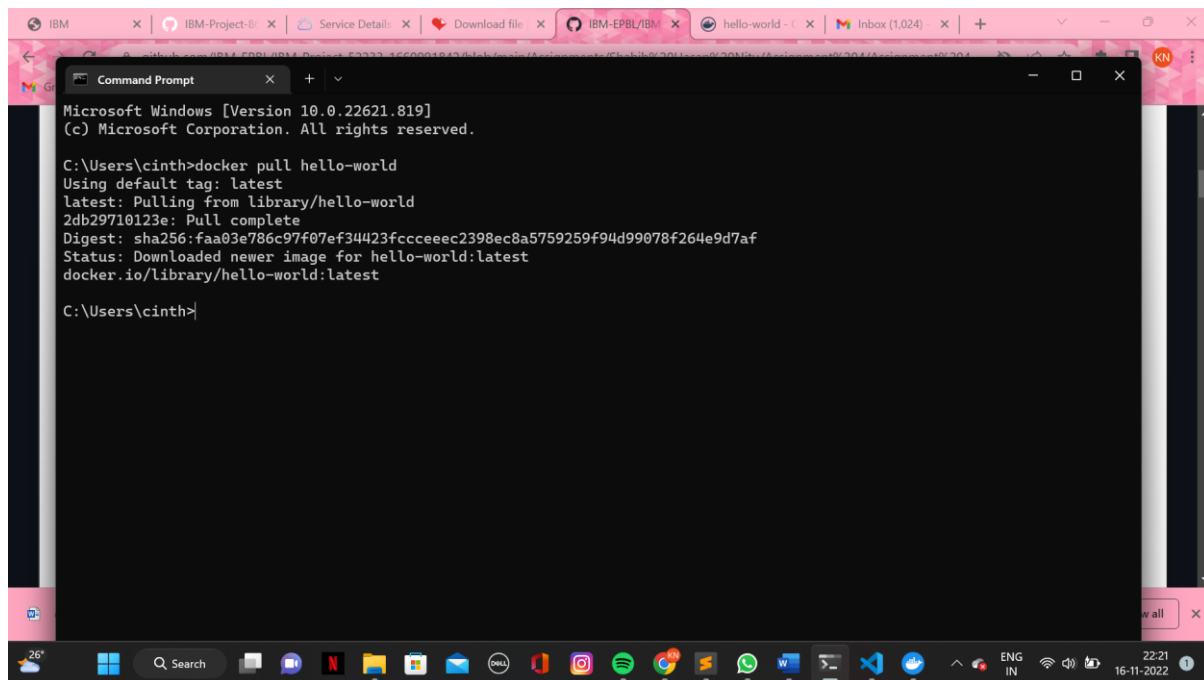
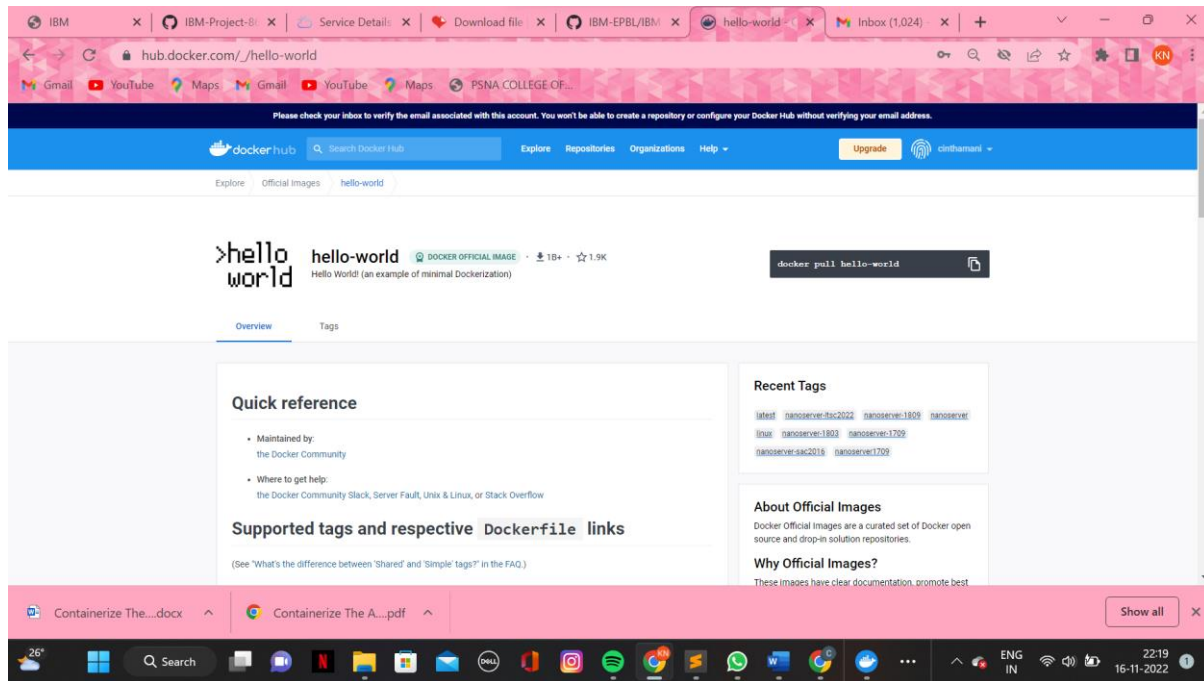
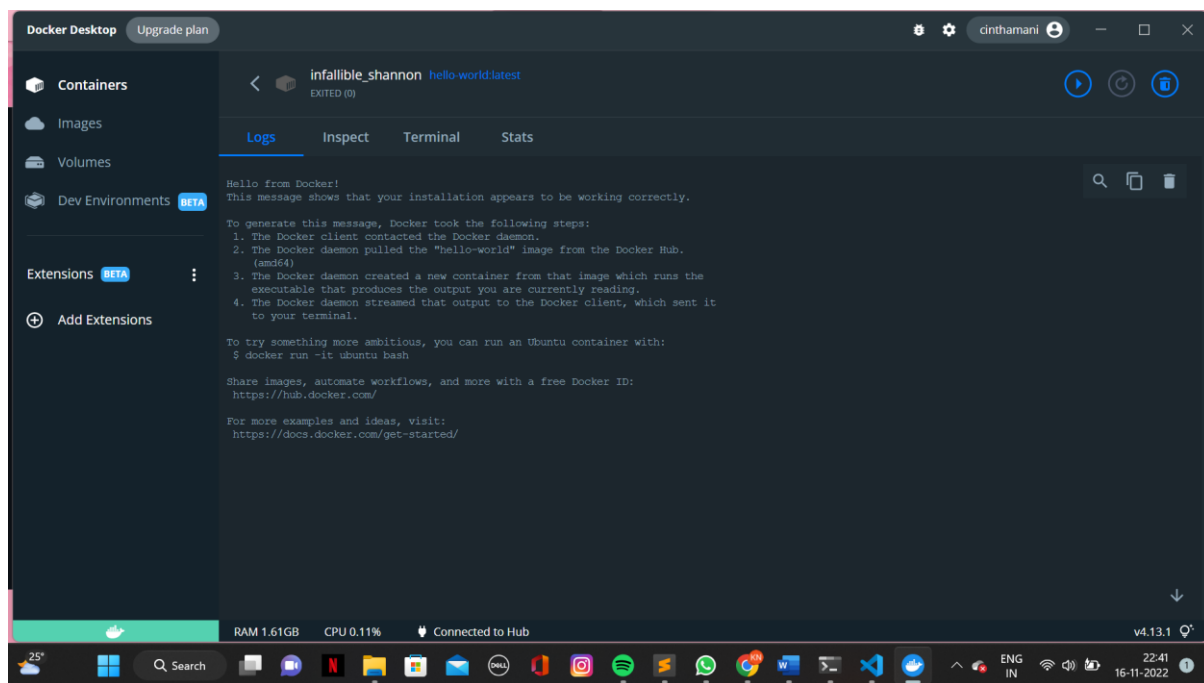
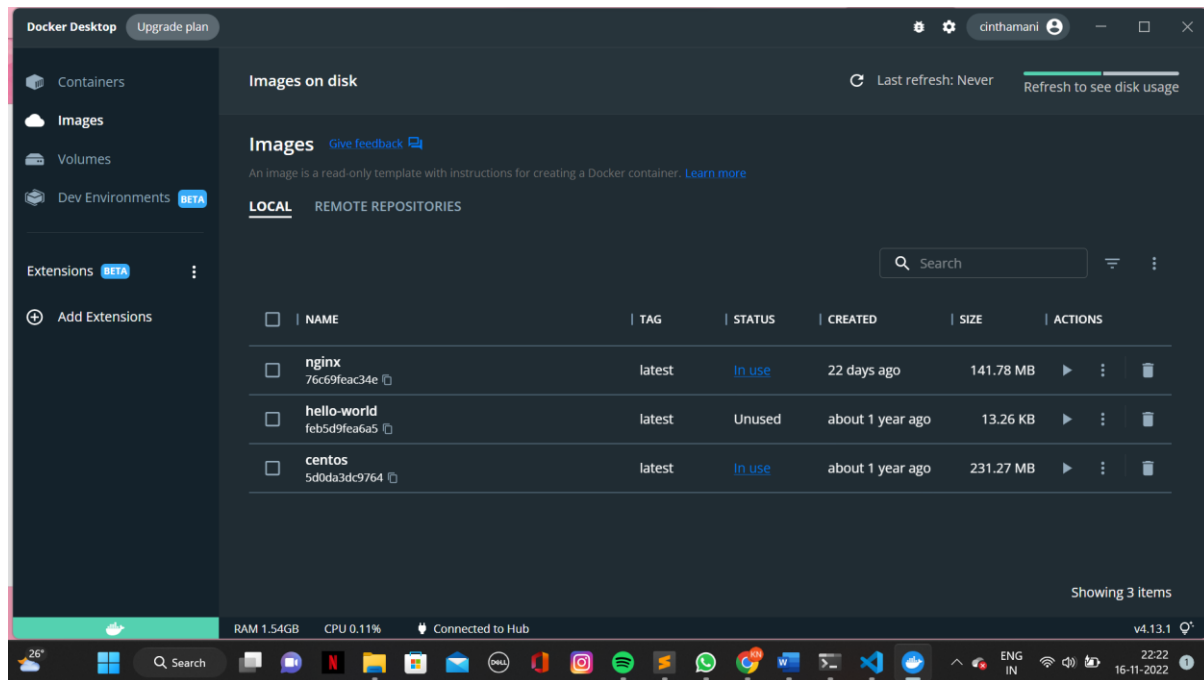


1) Pull an Image from docker hub and run it in docker playground





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

Dockerfile:

FROM python:3.6

```
WORKDIR /app
```

ADD. /app

COPY requirements.txt /app

```
RUN python3 -m pip install -r requirements.txt
```

```
RUN python3 -m pip install ibm_db
```

EXPOSE 5000

```
CMD ["python","app.py"]
```

[illegible]

```
Command Prompt - docker run f3d9015a21f3

C:\Users\shaha\Desktop\IBM-Project\Jobportal>docker images
REPOSITORY                                TAG                                IMAGE ID            CREATED            SIZE
k8s.gcr.io/kube-apiserver                v1.25.0                          4d2edfd18d3e       2 months ago     128MB
k8s.gcr.io/kube-scheduler                v1.25.0                          bef2cf311509       2 months ago     50.6MB
k8s.gcr.io/kube-controller-manager        v1.25.0                          1a54c86c83a6       2 months ago     117MB
k8s.gcr.io/kube-proxy                    v1.25.0                          58a9a8c6d96f       2 months ago     61.7MB
k8s.gcr.io/pause                          3.8                              4873874c08ef       4 months ago     711kB
k8s.gcr.io/etcd                          3.5.4-0                          a8a176a5d5d6       5 months ago     300MB
k8s.gcr.io/coredns                      v1.9.3                          5185b96f0bec       5 months ago     48.8MB
docker/desktop-vpnkit-controller          v2.0                             8c2c38aa676e       18 months ago    21MB
docker/desktop-storage-provisioner        v2.0                             99f89471f470       18 months ago    41.9MB

C:\Users\shaha\Desktop\IBM-Project\Jobportal>docker run f3d9015a21f3
* Serving Flask app 'app' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on all addresses.
  WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)
```

JOBPORAL | HOME

Not secure | 172.20.10.6:5000/login

Codeforces Facebook - राग रचन... YouTube RARBG Rarbg Index... Twitch Track the TV shows... Gmail Instagram TorrentBD : Welcome Yahoo SkymoviesHD.in [JS... Circle Network |

LOGOUT REGISTER MY JOBS

sheep-logo

Available Jobs

Python

Skills for python

Apply Now

Docker Desktop Upgrade plan

jovial_proskuriakova f3d9015a21f3 EXITED (137)

Logs

Inspect

Stats

CLI

* Serving Flask app 'app' (lazy loading)

* Environment: production

WARNING: This is a development server. Do not use it in a production deployment.

Use a production WSGI server instead.

* Debug mode: off

* Running on all addresses.

WARNING: This is a development server. Do not use it in a production deployment.

* Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)

EXT

+

RAM 4.89GB CPU 2.44% Connected to Hub

v4.12.0

3) Create a IBM container registry and deploy jobportal app.

```
Command Prompt
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

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

Email> 410619104029@smartinternz.com

Password>
Authenticating...
OK

Targeted account Raad Chowdhury's Account (3828f847bb644584acc551e935d0e383)

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>

API endpoint: https://cloud.ibm.com
Region:
User: 410619104029@smartinternz.com
Account: Raad Chowdhury's Account (3828f847bb644584acc551e935d0e383)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

C:\Users\shaha>
```

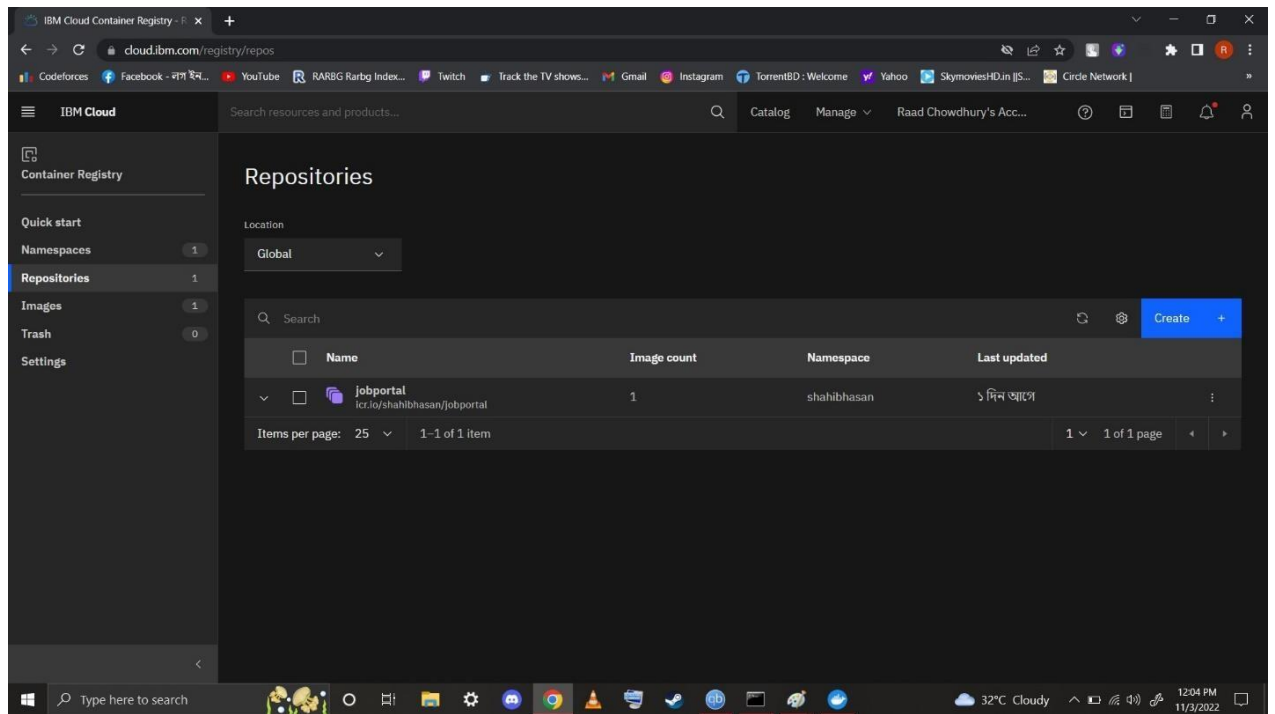
```
Command Prompt
C:\Users\shaha>ibmcloud cr login
Logging 'docker' in to 'icr.io'...
Logged in to 'icr.io'.

OK

C:\Users\shaha>docker tag f3d9015a21f3 icr.io/shahibhasan/jobportal

C:\Users\shaha>docker push icr.io/shahibhasan/jobportal
Using default tag: latest
The push refers to repository [icr.io/shahibhasan/jobportal]
2108888e119b: Pushed
ef9059251a61: Pushed
ba5faf349894: Pushed
21a1adcafa41: Pushed
4c702597ab0c: Pushed
aad4c908c19f6: Pushed
0ba9f600e8ba: Pushed
3e007d59ef9f: Pushed
1e18e7e1fcc2: Pushed
c3a0d593ed24: Pushed
26a504e03be4: Pushed
80f420b0dc72: Pushed
31892cc314cb: Pushed
11936051f93b: Pushed
latest: digest: sha256:910c91f31fe2226ae9306e48d02426c6c513bf54cfad9b960a8cb02bcb0926143 size: 3260

C:\Users\shaha>
```



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

