Assignment - 4

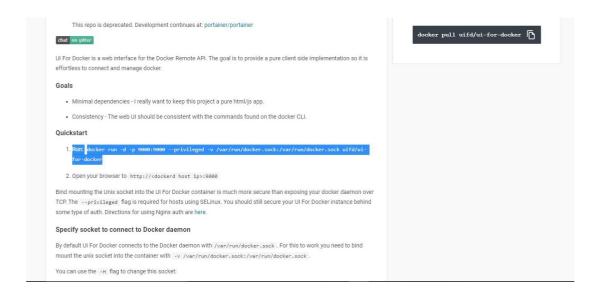
Kubernets/Docker

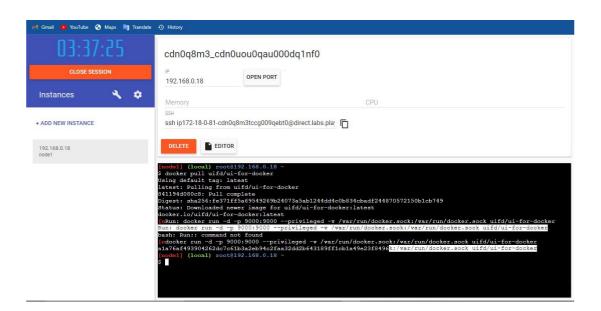
Assignment Date	19 November 2022
Student Name	Mugunthan k
Student Roll Number	19TUEC127
Maximum Marks	2 Marks

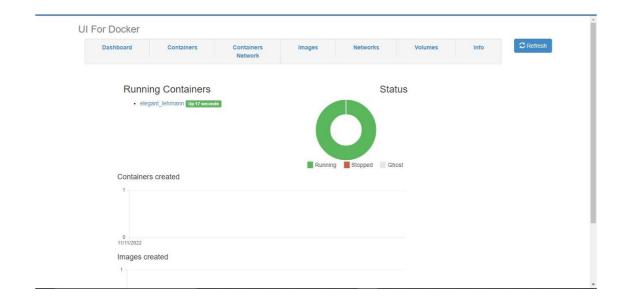
1. Pull an image from docker hub and run it on docker playground.



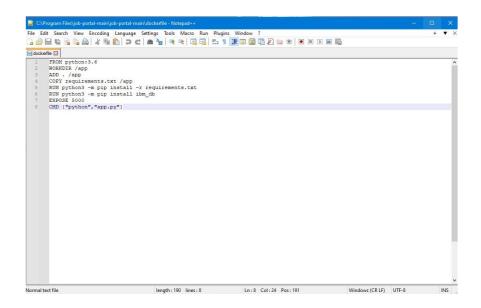
To run a pulled image in docker playground, copy the run command of the pulled image.







2. Create a docker file for the job portal application and deploy it inDocker desktop application.



```
* Running on all addresses (0.0.0.0)

* Running on http://127.0.0.1:5000

* Running on http://192.168.50.106:5000

Press CTRL+C to quit

127.0.0.1 - [11/Nov/2022 21:04:39] "GET / HTTP/1.1" 200 -

127.0.0.1 - [11/Nov/2022 21:04:41] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:26] "GET / Cass/style.css HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:26] "GET / Cass/style.css HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:26] "GET / Cass/style.css HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:27] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:37] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:37] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:37] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:53] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:53] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:05:53] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:06:14] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:06:14] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:06:14] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:06:14] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:06:17] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:06:17] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

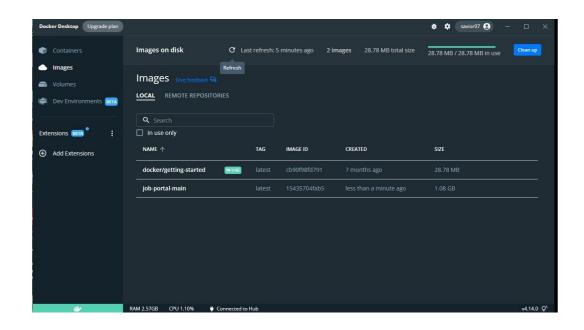
127.0.0.1 - [11/Nov/2022 21:06:17] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

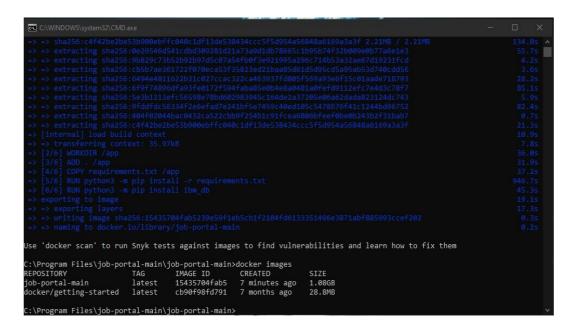
127.0.0.1 - [11/Nov/2022 21:06:17] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:06:17] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:06:18] "GET / Static/img/smartinternz.png HTTP/1.1" 404 -

127.0.0.1 - [11/Nov/2022 21:06:28] "GET / Static/img/smartinte
```





Pushing the image to repository

```
C:\Users\ELCOT>docker tag job-portal icr.io/job-portal/sathish
error during connect: This error may indicate that the docker daemon is not running.: Post "http://%2F%2F.%2Fpipe%2Fdock
er_engine/v1.24/images/job-portal/tag?repo=icr.io%2Fjob-portal%2Fsathish&tag=latest": open //./pipe/docker_engine: The s
ystem cannot find the file specified.

C:\Users\ELCOT>docker tag job-portal icr.io/jobportalmain/sathish
Error response from daemon: open \\.\pipe\docker_engine_linux: The system cannot find the file specified.

C:\Users\ELCOT>docker tag job-portal icr.io/jobportalmain/sathish
Error response from daemon: No such image: job-portal:latest

C:\Users\ELCOT>docker tag job-portal-main icr.io/jobportalmain/sathish
The system cannot find the path specified.

C:\Users\ELCOT>docker push au.icr.io/jobportalmain/sathish
Using default tag: latest
The push refers to repository [au.icr.io/jobportalmain/sathish]
An image does not exist locally with the tag: au.icr.io/jobportalmain/sathish

C:\Users\ELCOT>docker tag job-portal-main au.icr.io/jobportalmain/sathish

C:\Users\ELCOT>docker tag job-portal-main au.icr.io/jobportalmain/sathish
```

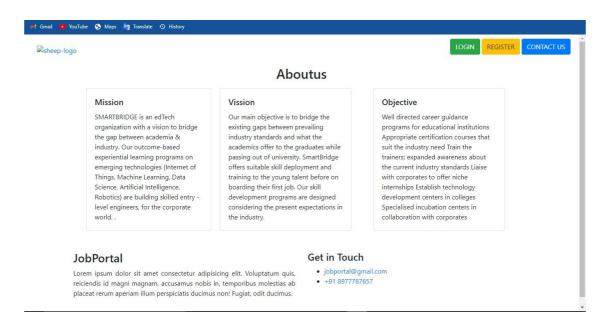
Pulling the image from IBM container and runnig it.

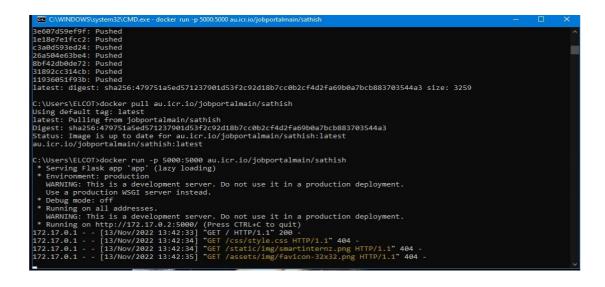
```
C:\WNNDOWS\system32\CMD.exe-docker run-p 5000:5000 au.icr.io/jobportalmain/sathish

1b3259c0b03e: Pushed
976ac8d0ae8a: Pushed
8a4c808c19f6: Pushed
8a607d59ef9f: Pushed
1e188-e1f-c2: Pushed
c3a607d59ef9f: Pushed
c3a60593ed24: Pushed
26a504e3be4: Pushed
8bf42db0de72: Pushed
11936051f93b: Pushed
11936051f93b: Pushed
11estr: digest: sha25c:479751a5ed571237901d53f2c92d18b7cc0b2cf4d2fa69b0a7bcb883703544a3 size: 3259

C:\Users\ELCOT\docker pull au.icr.io/jobportalmain/sathish
Using default tag: latest
latest: Pulling from jobportalmain/sathish
Digest: sha25c:479751a5ed571237901d53f2c92d18b7cc0b2cf4d2fa69b0a7bcb883703544a3
Status: Image is up to date for au.icr.io/jobportalmain/sathish:latest
au.icr.io/jobportalmain/sathish:latest

C:\Users\ELCOT\docker run -p 5000:5000 au.icr.io/jobportalmain/sathish
* Serving Flask app 'app' (lazy loading)
* Environment: production
MARNING: 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://172.17.8.2:5000/ (Press CTRL+C to quit)
```





3. Create a Kubernets Cluster in IBM cloud and deploy hello world image or job portal image.

