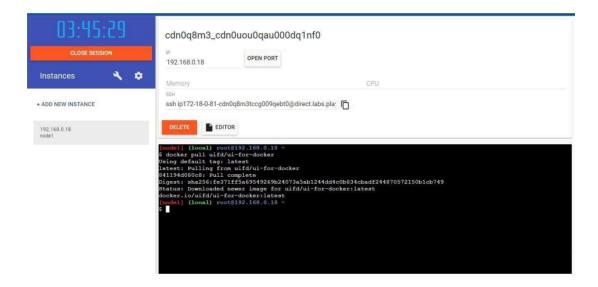
Assignment - 4

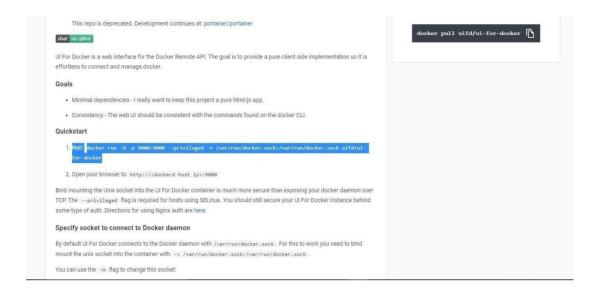
Kubernets/Docker

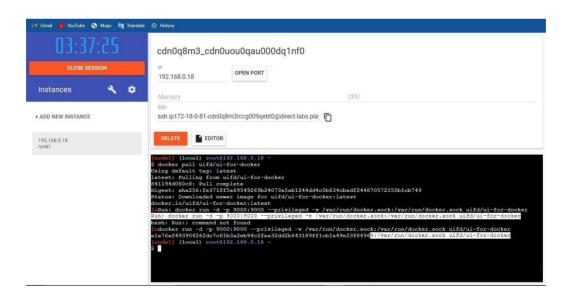
Assignment Date	19 November 2022
Student Name	Muli Srinivasalu
Student Roll Number	113219041071
Maximum Marks	2 Marks

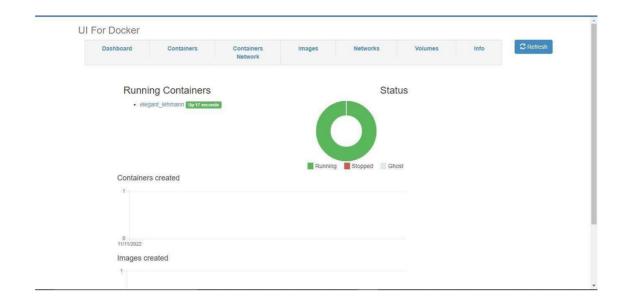
1. Pull an image from docker hub and run it on docker playground.



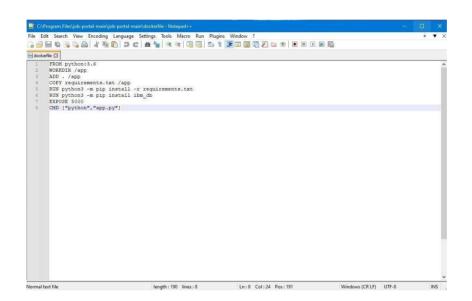
To run a pulled image in docker playground, copy the run command of the pulled image.







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://127.0.0.1:5000

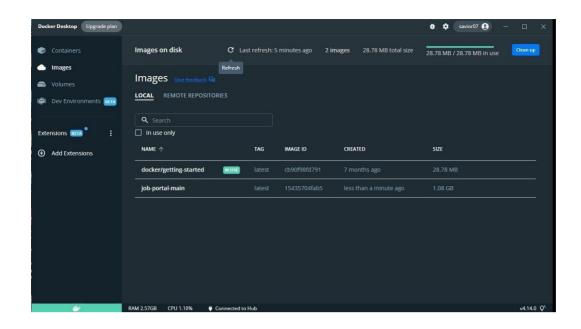
* Running on http://127.0.0.1:5000

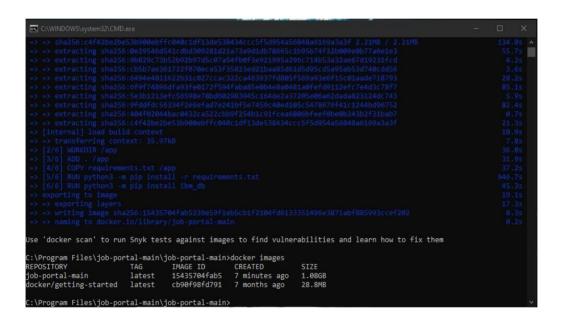
* Running on http://192.168.50.106:5000

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 /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:26] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:26] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:27] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:37] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:37] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:37] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:52] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:52] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:52] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:05:52] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:14] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:14] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:14] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:14] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:17] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:17] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:17] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:17] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:17] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:17] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:17] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:17] "GET /css/style.css HTTP/1.1" 404 -
127.0.0.1 - [11/Nov/2022 21:06:28] "GET /css/style.css HTTP/1
```

```
| CAMINIDOWS\cystem32\cappa | CMINIDOWS\cystem32\cappa | CMINIDOWS\cystem32
```





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

C:\Users\ELCOT>docker push au.icr.io/sopportalmain/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
```

Pulling the image from IBM container and runnig it.

```
This country is a serving flask app 'app' (lazy loading)

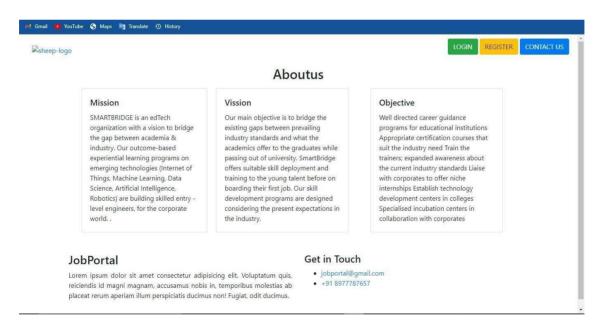
C:\Users\ELCOT\docker run -p 5000:5000 au.icr.io/jobportalmain/sathish

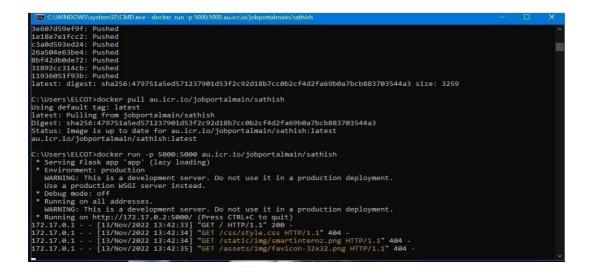
- X

1b3259:Cbb38: Pushed
976a:R46ae8a: Pushed
8a4088:196: Pushed
8a607d59ef9f: Pushed
1e188-e1f-c2: Pushed
1e188-e1f-c2: Pushed
1e38e30593ed24: Pushed
8b42db0de72: Pushed
8b42db0de72: Pushed
11936051f93b: Pushed
11936051f93b: Pushed
11est: digest: sha256:479751a5ed571237901d53f2c92d18b7cc0b2cf4d2fa69b0a7bcb883703544a3 size: 3259

C:\Users\ELCOT\docker pull au.icr.io/jobportalmain/sathish
10igest: sha256:479751a5ed571237901d53f2c92d18b7cc0b2cf4d2fa69b0a7bcb883703544a3
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 W5GI 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.

