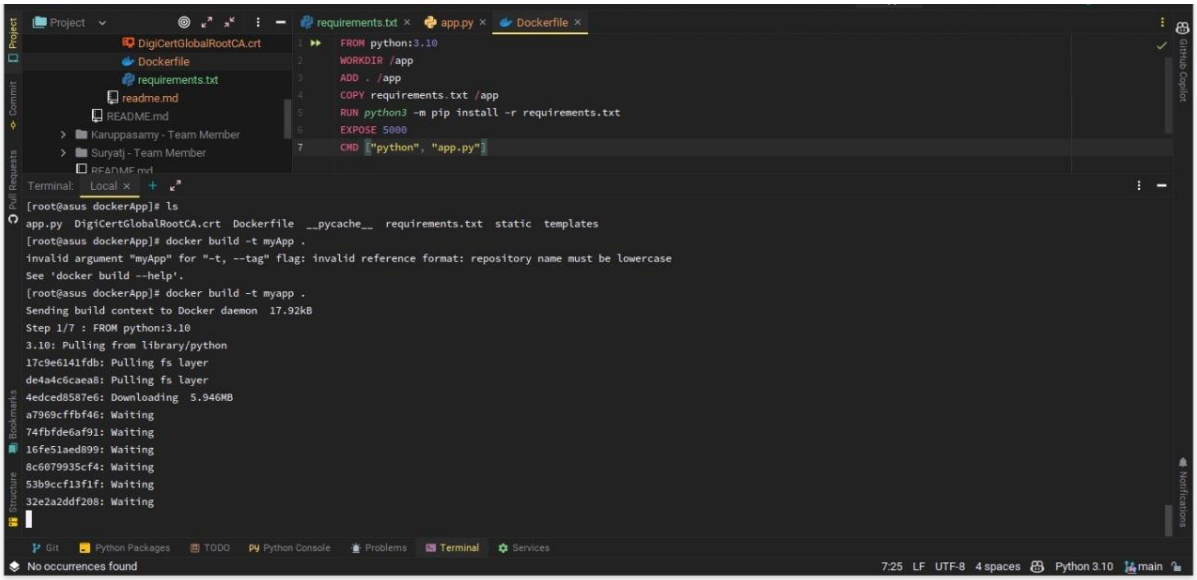
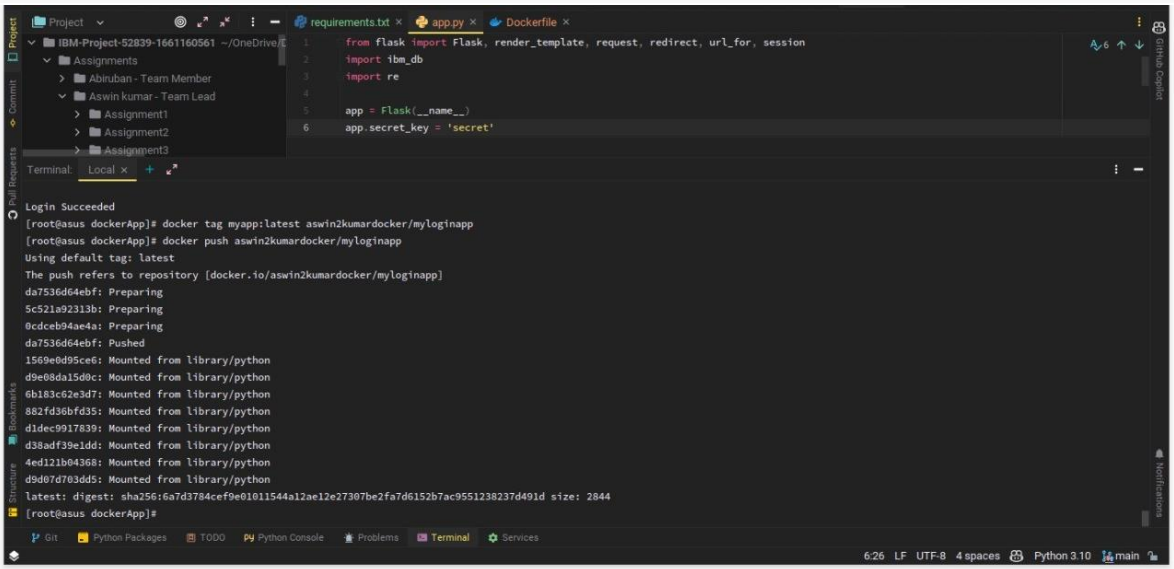
Assignment –4

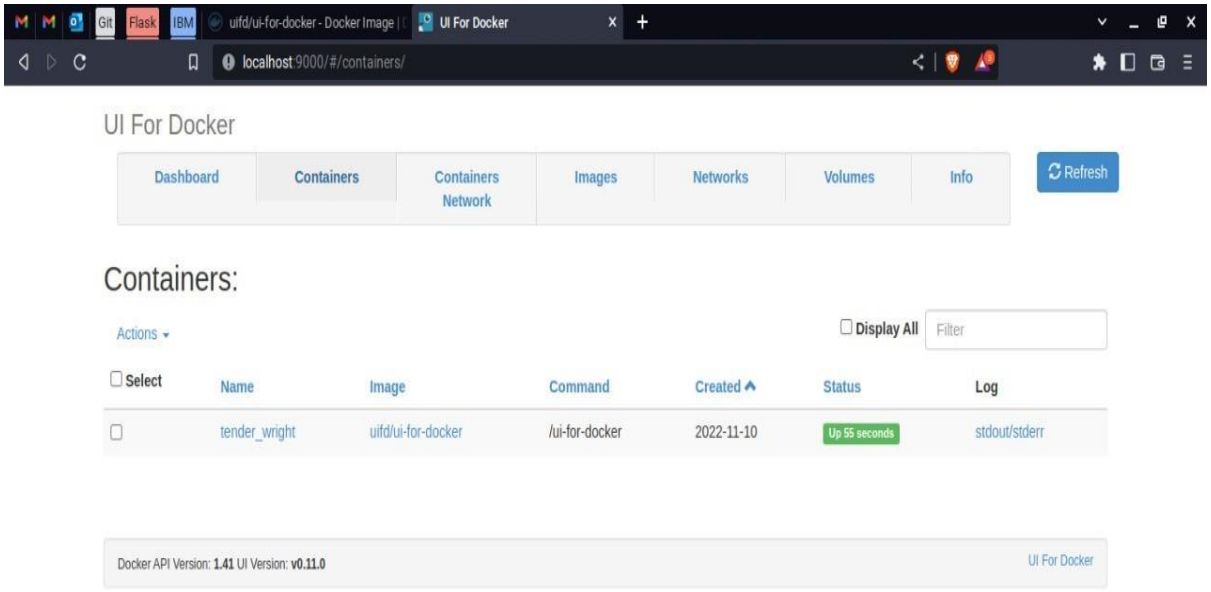
Assignment Date	16 October 2022
Student Name	Aravinth
Student Roll Number	910619104006
Maximum Marks	2 Marks

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



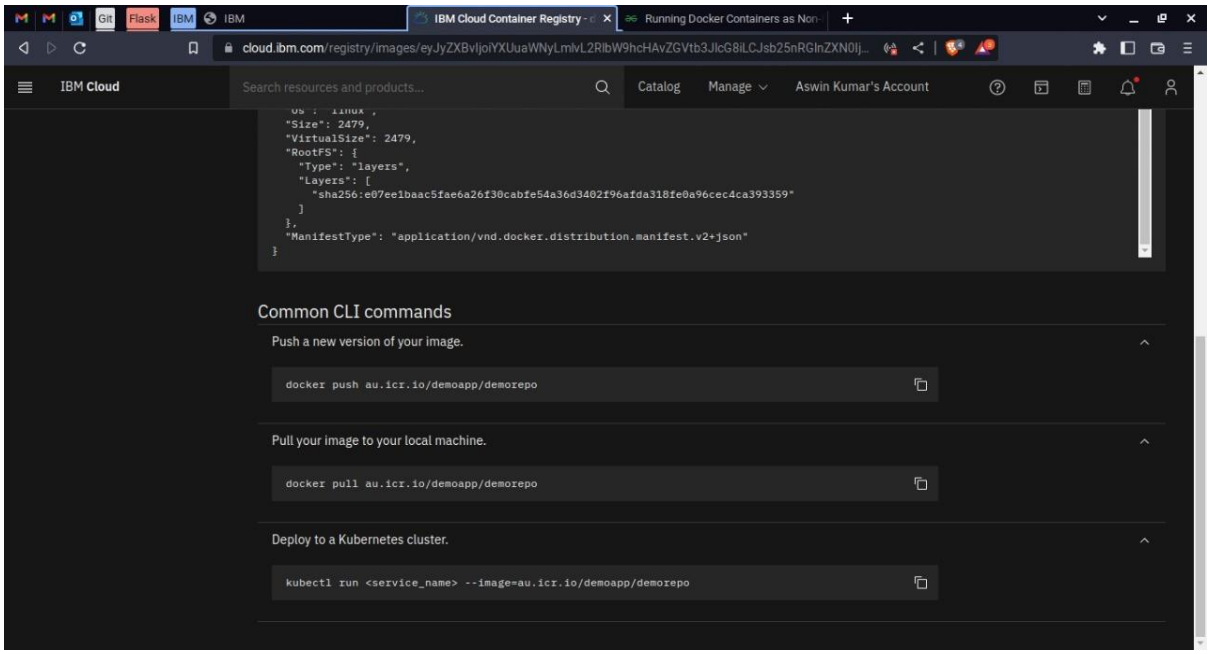


2. Create a docker file for the jobportal application and deploy it in Docker desktop application.

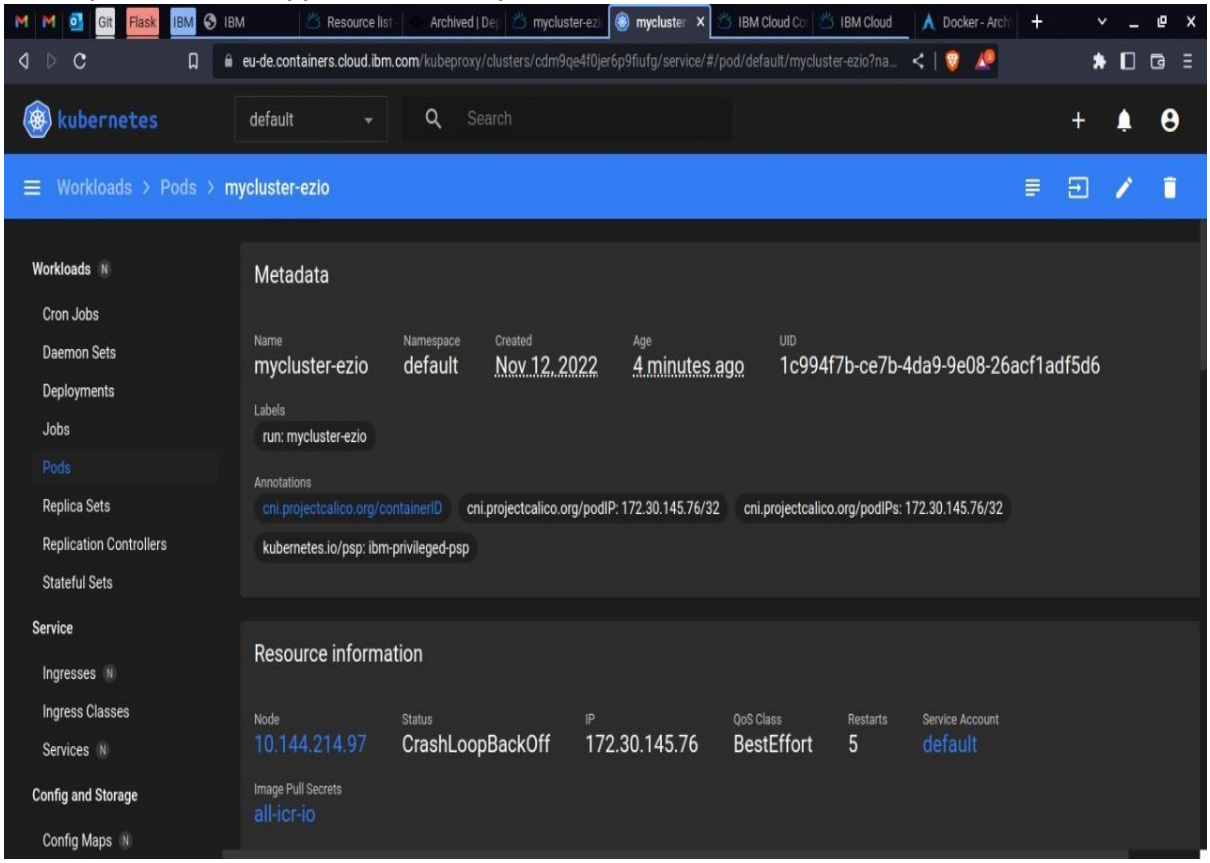


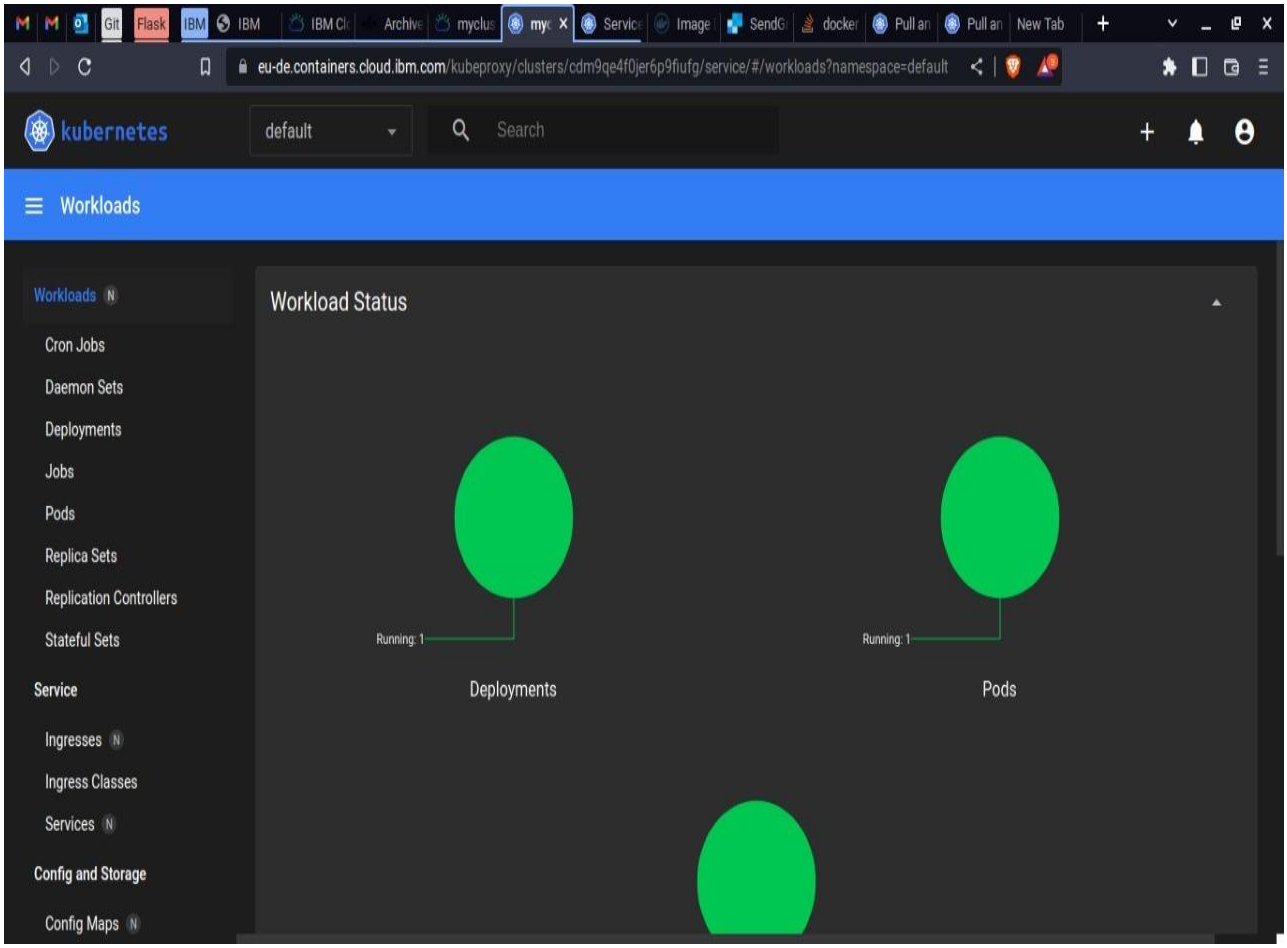

```
e07ee1baac5f: Preparing
denied: insufficient scope
[root@asus aswin]# docker tag hello-world:latest au.icr.io/demoapp/demorepo
[root@asus aswin]# docker push au.icr.io/demoapp/demorepo
The push refers to repository [au.icr.io/demoapp/demorepo]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
[root@asus aswin]# ibmcloud cr lists
FAILED
'lists' is not a registered command. Check your list of installed plug-ins. See 'ibmcloud cr help'
.

[root@asus aswin]# ibmcloud cr image-
image-digests         image-list            image-restore         image-tag
image-inspect         image-prune-untagged  image-rm              image-untag
[root@asus aswin]# ibmcloud cr image-list
Listing images...

Repository                 Tag      Digest        Namespace   Created      Size     Security st
atus
au.icr.io/demoapp/demorepo   latest   f54a58bc1aac   demoapp     1 year ago   2.5 kB   -

OK
```

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



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




eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdm9qe4f0jer6p9fiufg/service/#/workloads?namespace=default
kubernetes
default
Search
Workloads
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
Config and Storage
Config Maps
Workload Status
Running: 1
Deployments
Running: 1
Pods