

Assignment-4

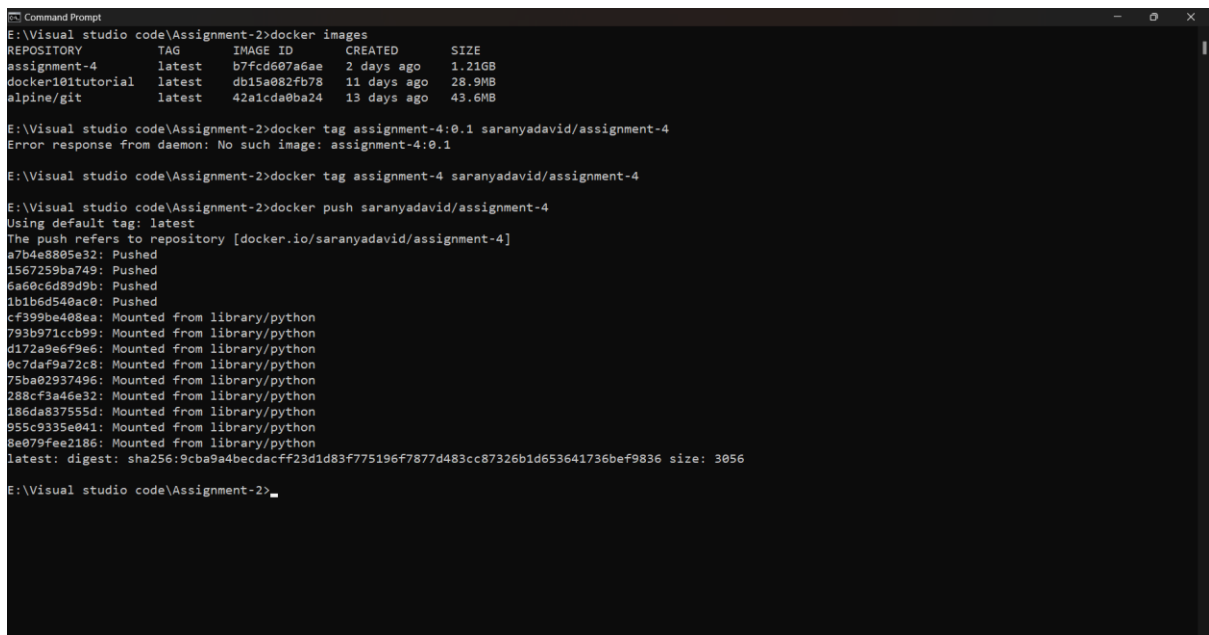
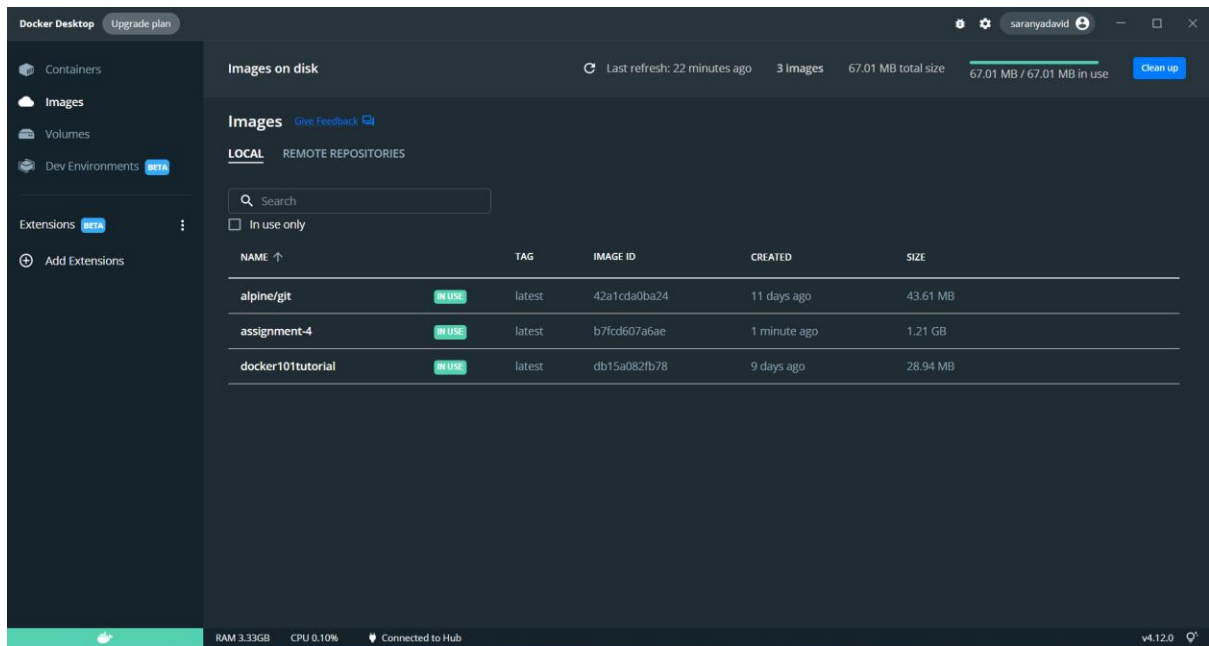
Date	20 October 2022
Team ID	PNT2022TMID28022
Project Name	Inventory Management System For Retailers
Maximum Marks	2 Marks

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

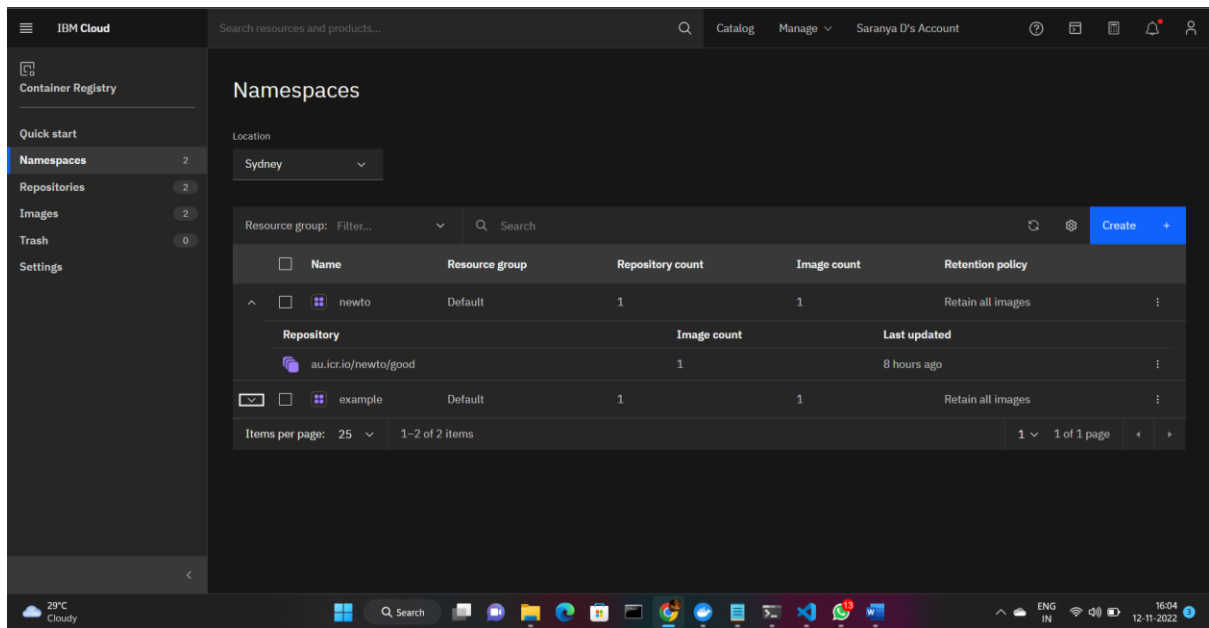
The screenshot shows the Docker Playground interface. On the left, there's a sidebar with a clock showing 03:58:38, a 'CLOSE SESSION' button, and a list of instances. The main area displays the IP 192.168.0.13 and an 'OPEN PORT' button. Below this, there's a terminal window showing the following commands and output:

```
# The FWD team.
#####
(node1) (local) root@192.168.0.13 ~
$ docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS        NAMES
(node1) (local) root@192.168.0.13 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: Pull complete
Digest: sha256:fe371fff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
(node1) (local) root@192.168.0.13 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
40592613046c0e90ad9757849a942b162bb56067034f73a5ccf38883fdecbe7d
(node1) (local) root@192.168.0.13 ~
$ docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS        NAMES
40592613046c   uifd/ui-for-docker  "/ui-for-docker"        13 seconds ago Up 11 seconds  0.0.0.0:9000->9000/tcp  friendly_hypatia
(node1) (local) root@192.168.0.13 ~
$
```

The screenshot shows the Docker Playground interface with a dialog box open. The dialog box asks "What port would you like to open?" and has a text input field containing "9000". The background shows the same terminal window as the previous screenshot, but the output is partially obscured by the dialog box. The dialog box has 'OK' and 'Cancel' buttons.



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



```
10.144.214.208 Ready <none> 4h28m v1.24.7+IKS

E:\> cd E:\Visual studio code\Assignment-2

E:\Visual studio code\Assignment-2>kubectl create -f deployment.yaml
deployment.apps/flask-app created

E:\Visual studio code\Assignment-2>kubectl create -f service.yaml
service/flask-app created

E:\Visual studio code\Assignment-2>kubectl expose deployment flask-app --type=NodePort --name=flask-app
Error from server (AlreadyExists): services "flask-app" already exists

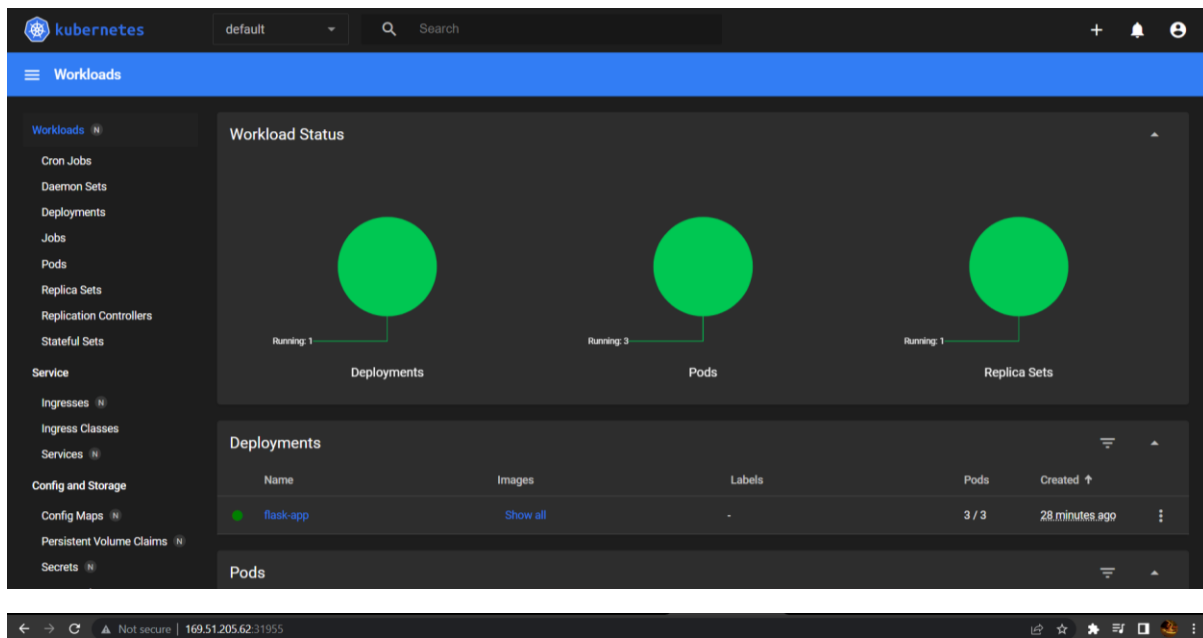
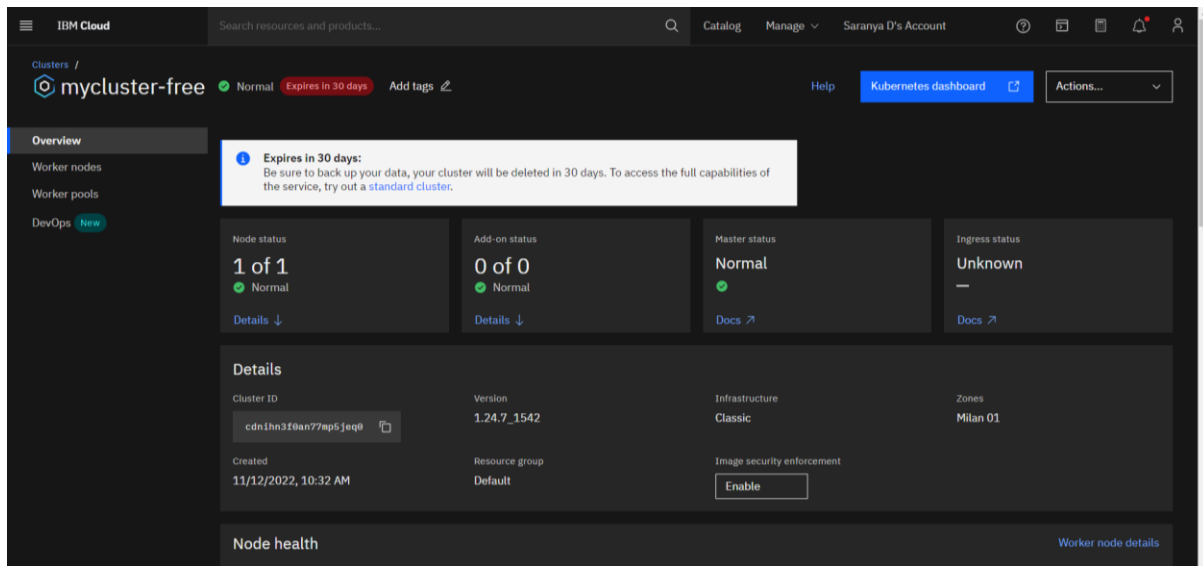
E:\Visual studio code\Assignment-2>kubectl get services flask-app
NAME      TYPE      CLUSTER-IP   EXTERNAL-IP   PORT(S)    AGE
flask-app ClusterIP  172.21.224.6 <none>        3002/TCP   3m33s

E:\Visual studio code\Assignment-2>kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
flask-app-74b97586c4-c9kfb          1/1     Running   0           8m28s
flask-app-74b97586c4-m9bpr          1/1     Running   0           8m28s
flask-app-74b97586c4-wsjtc          1/1     Running   0           8m28s

E:\Visual studio code\Assignment-2>kubectl delete -f service.yaml
service "flask-app" deleted

E:\Visual studio code\Assignment-2>kubectl create -f service.yaml
service/flask-app created

E:\Visual studio code\Assignment-2>
```



Student Registration Portal

Enter Email ID:

Enter Username:

Enter Password:

Enter Roll number:

Browser link : <http://169.51.205.62:31955/>