#### **ASSIGNMENT - 4**

# **KUBERNETES, DOCKER**

<b>Assignment Date</b>	28 October 2022
Student Name	Krithiga T K
Student Roll Number	962819104056

### **Question-1**

Pull an image from Dockers hub and run it in Dockers playground.

#### **Solution:**

**Step 1**: Login to Dockers hub and get an image

Step 2: Open Dockers playground

Login with Dockers

Create new instance

**Step 3**: In the command prompt run the following

\$docker pull hello-world

\$docker run hello-world

### **Question 2**

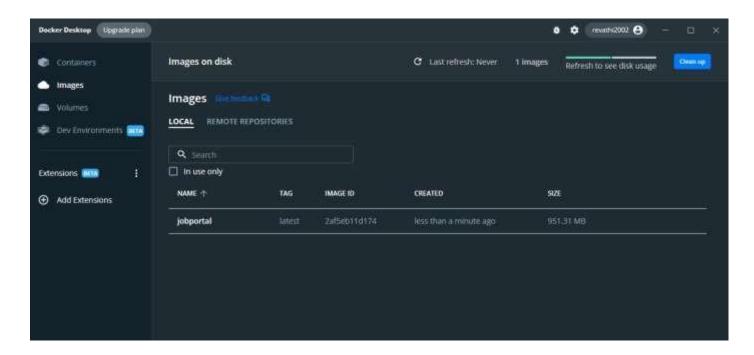
# Create A Dockers File And Deploy It In Dockers Desktop Application

#### **Solution:**

**Step 1 :** Create a flask application

Create a Dockerfile in the same folder

**Step 2 :** Run the following commands to deploy it in docker desktop \$docker build –t jobportal \$docker image ls



\$ docker container run -p 5000:5000 jobportal

```
PS D-Vibe project/Assignments/lean inactAssignment Aldocker_Desktop docker_container ran -p 5000:5000 jopental

* Serving Tilek app 'upp'
* Design mode: on
* Markings and large destrons (U.O.A.D.)

* Renning on intp://222.0.0.1:5000

* Press CTR.* to onix

* Renning on intp://222.0.0.1:5000

* Press CTR.* to onix

* Renning on intp://222.0.0.1:5000

* Press CTR.* to onix

* Renning on intp://222.0.0.1:5000

* Press CTR.* to onix

* Renning on intp://222.0.0.1:5000

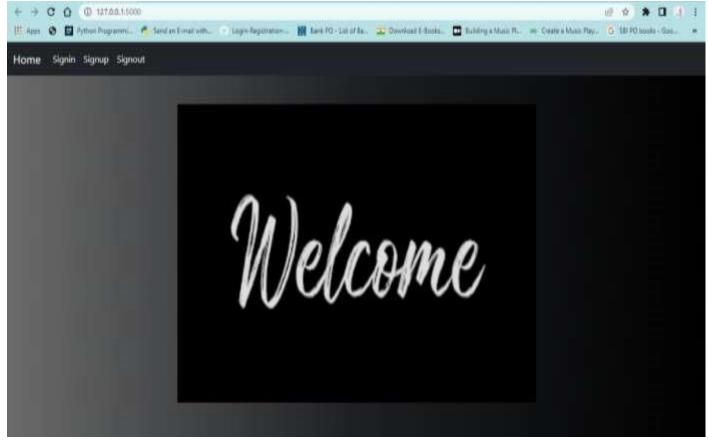
* Press CTR.* to onix

* Renning on intp://222.0.0.1:5000

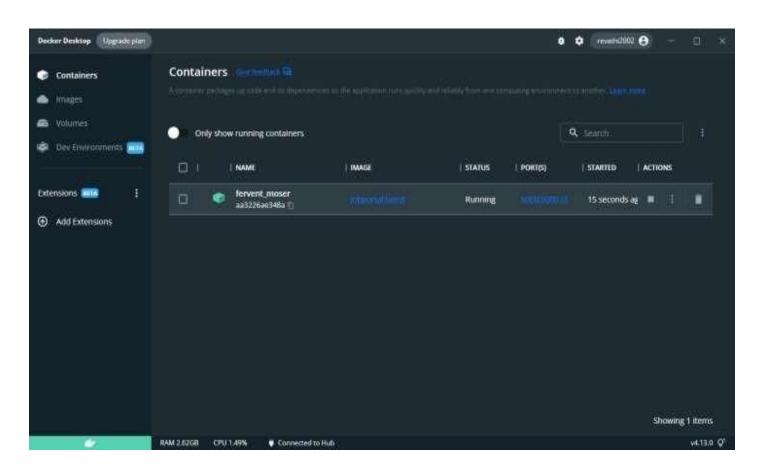
* Press CTR.* to onix

* Renning on intp://222.0.0.1:5000

* Renning on intp:
```

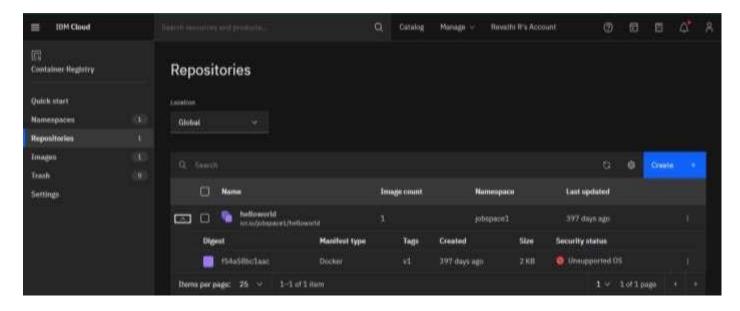


\$ docker container Is



### **Question 3:**

Create an IBM container registry and deploy hello-world-app or job-portal-app



# **Question 4:**

Create a Kubernetes cluster in IBM cloud and deploy hello-world-image or jobportal-image and also expose the same app to run in node-port.

