ASSIGNMENT – 4

KUBERNETES, DOCKER

Assignment Date	28 October 2022
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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

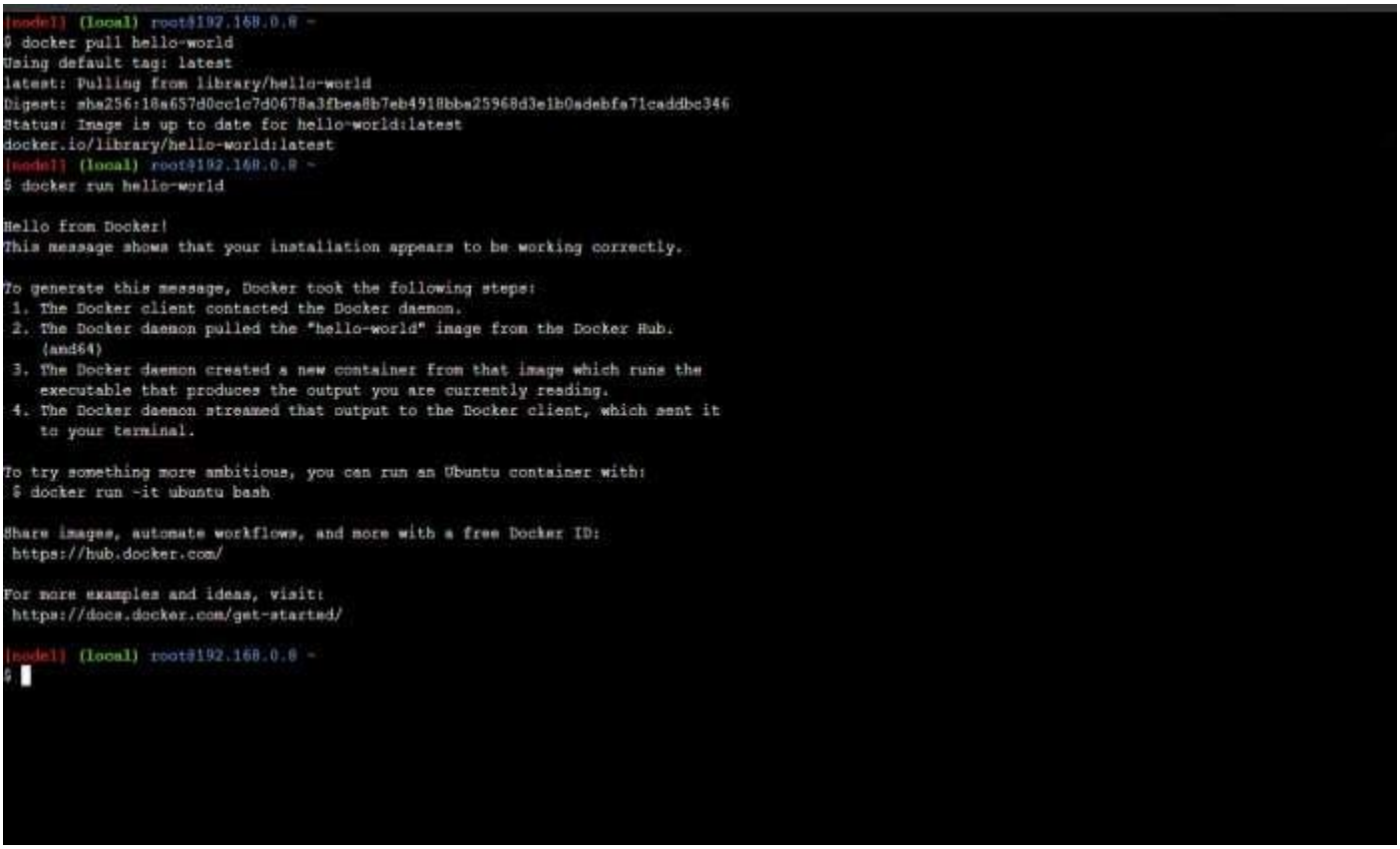
Login with Dockers

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:

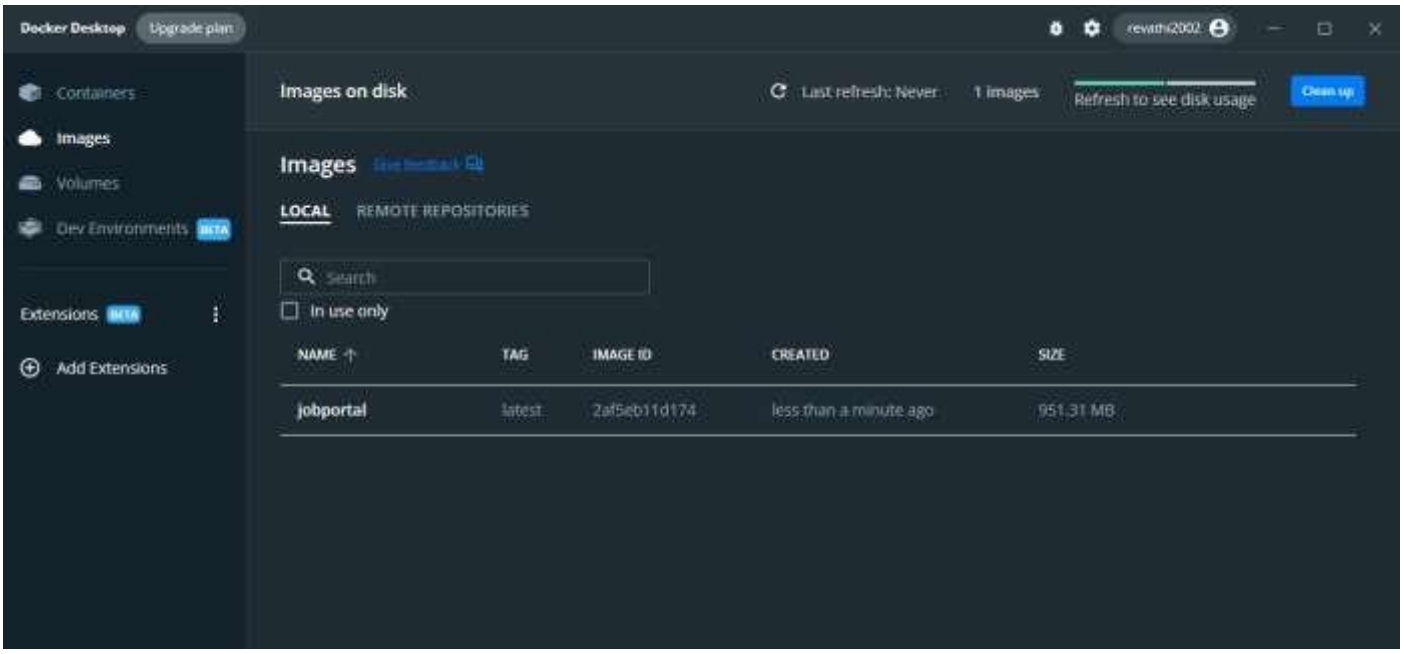
Step 1 : Create a flask application

Create a Dockerfile in the same folder

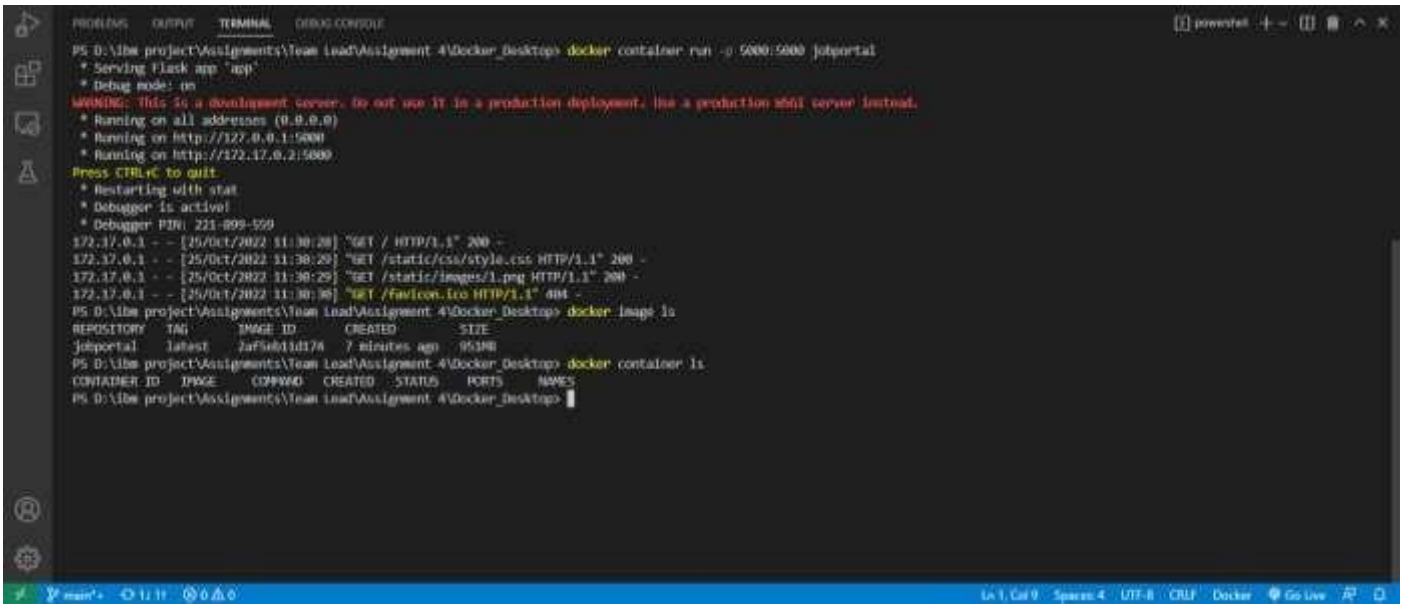
Step 2 : Run the following commands to deploy it in docker desktop

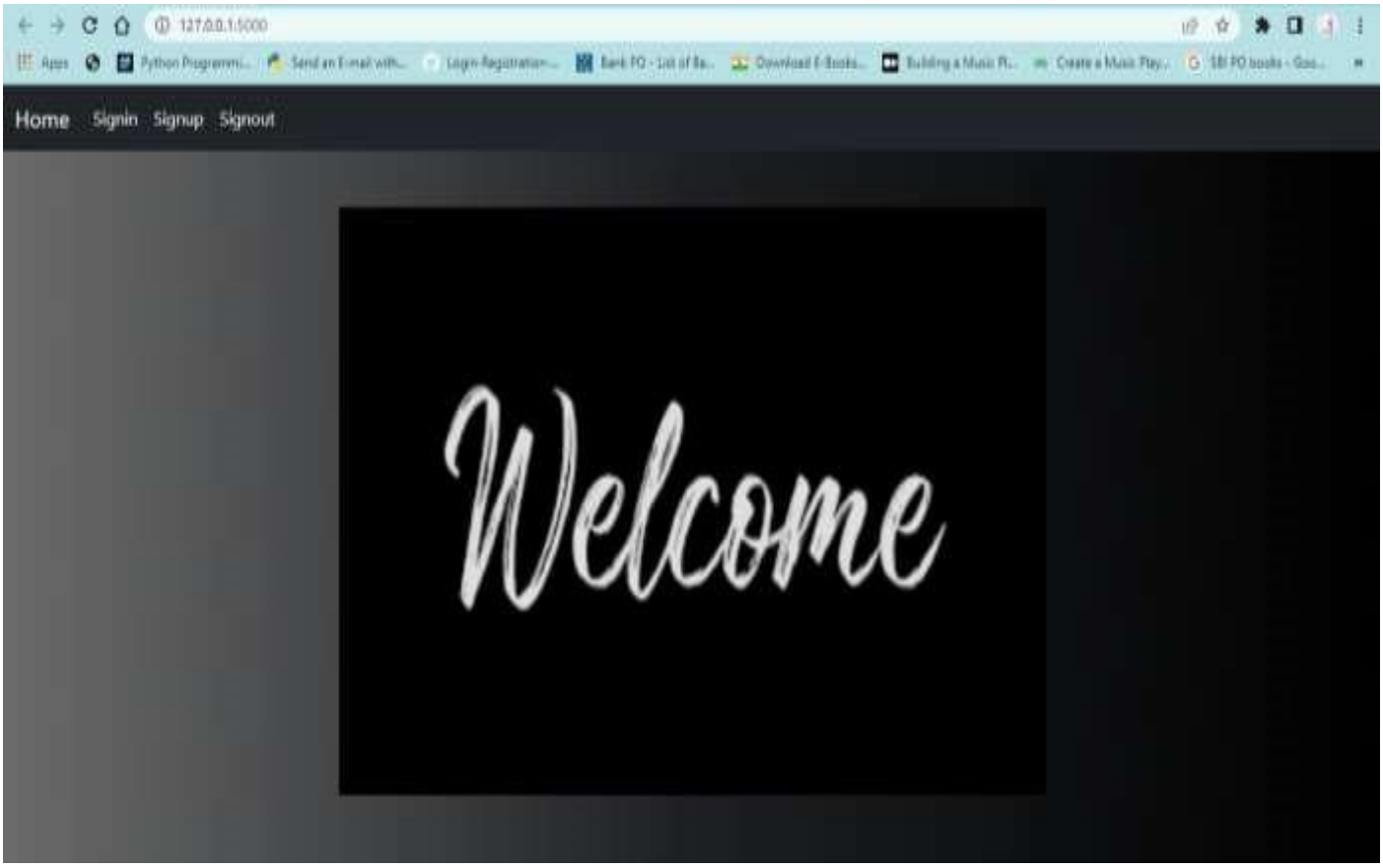
$docker build –t jobportal

$docker image ls

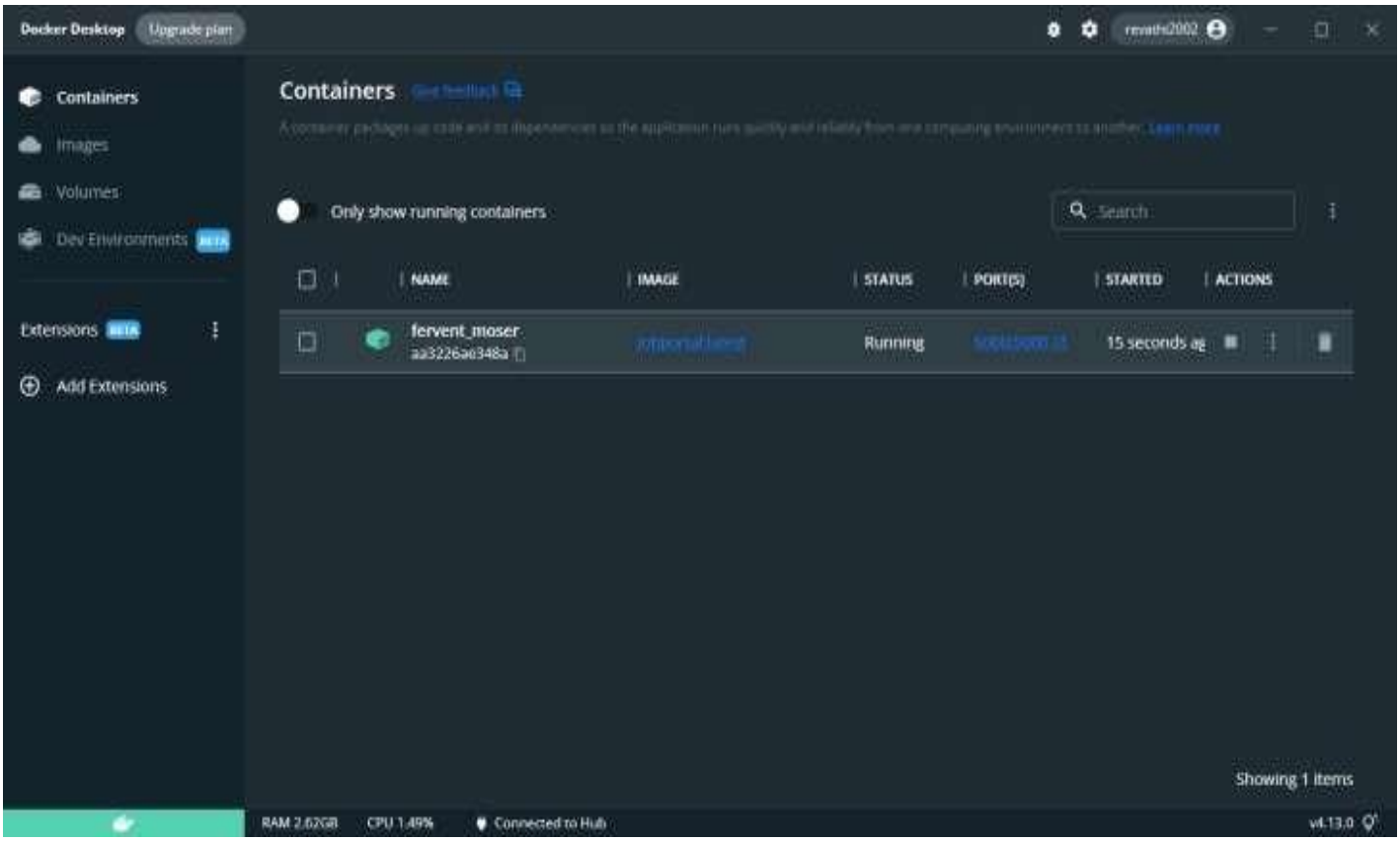


$ docker container run –p 5000:5000 jobportal



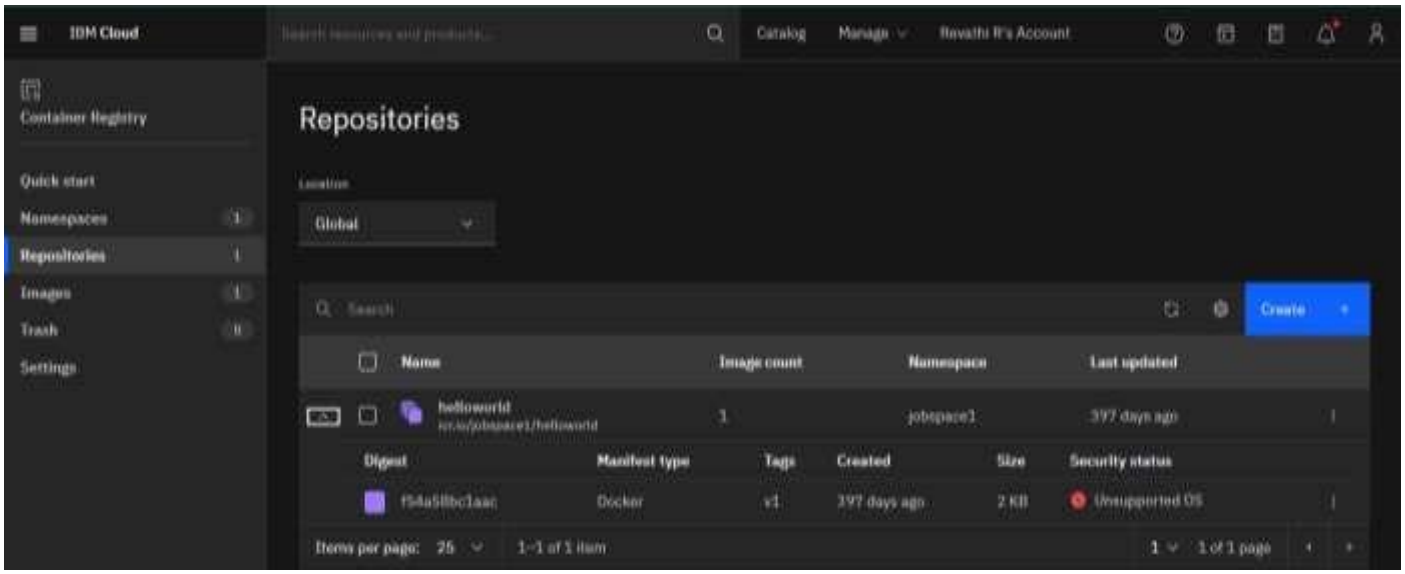


$ docker container ls



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 job-portal-image and also expose the same app to run in node-port.