Assignment Number	**4**
Assignment Date	**28th October 2022**
Team id	**PNT2022TMID08777**
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Student Roll Number	**727619BEC056**
Maximum marks	**2 MARKS**

Question:

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

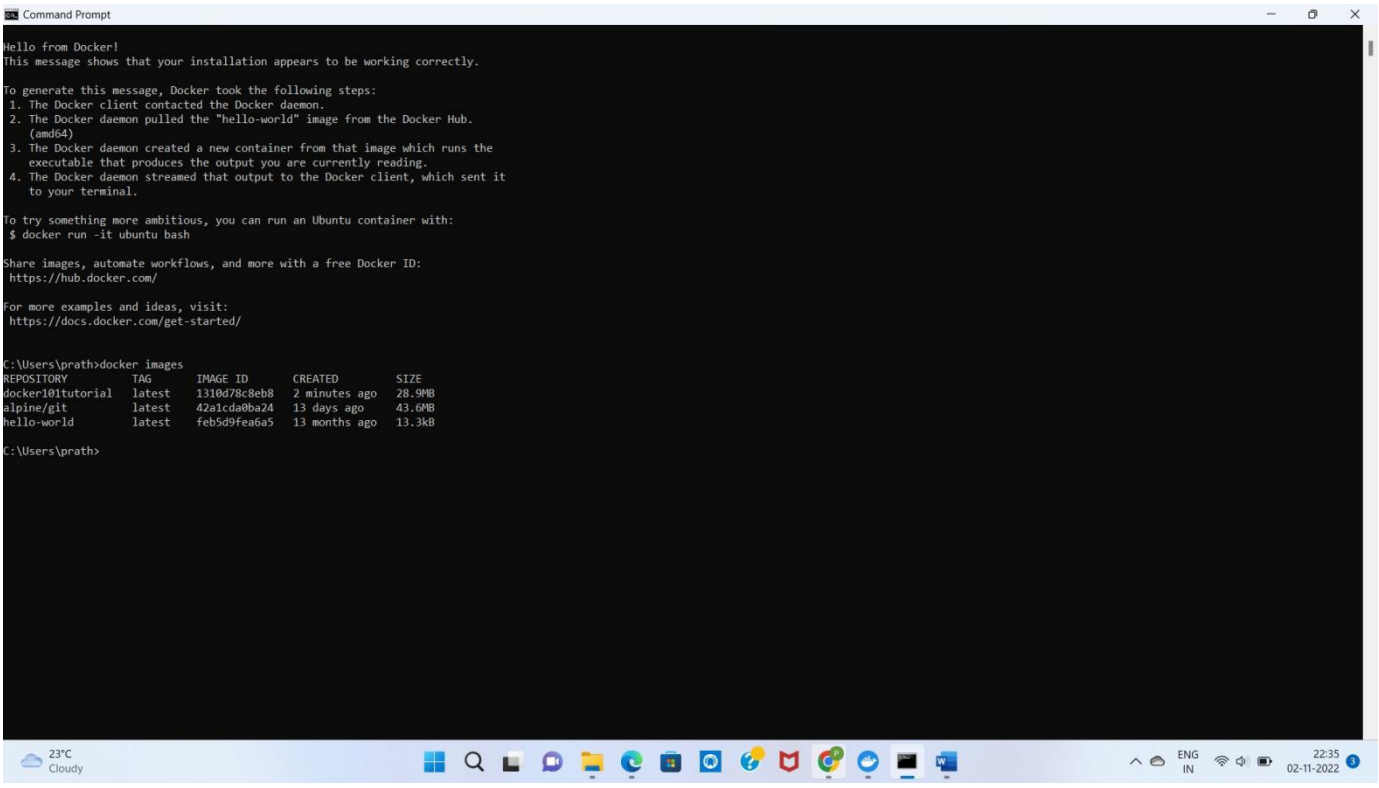
2. Create a dockerfile for the job portal / flask application and deploy it inDocker desktop application.

3. Create an IBM container registry and push a docker image of a flaskapplication or job portal app.

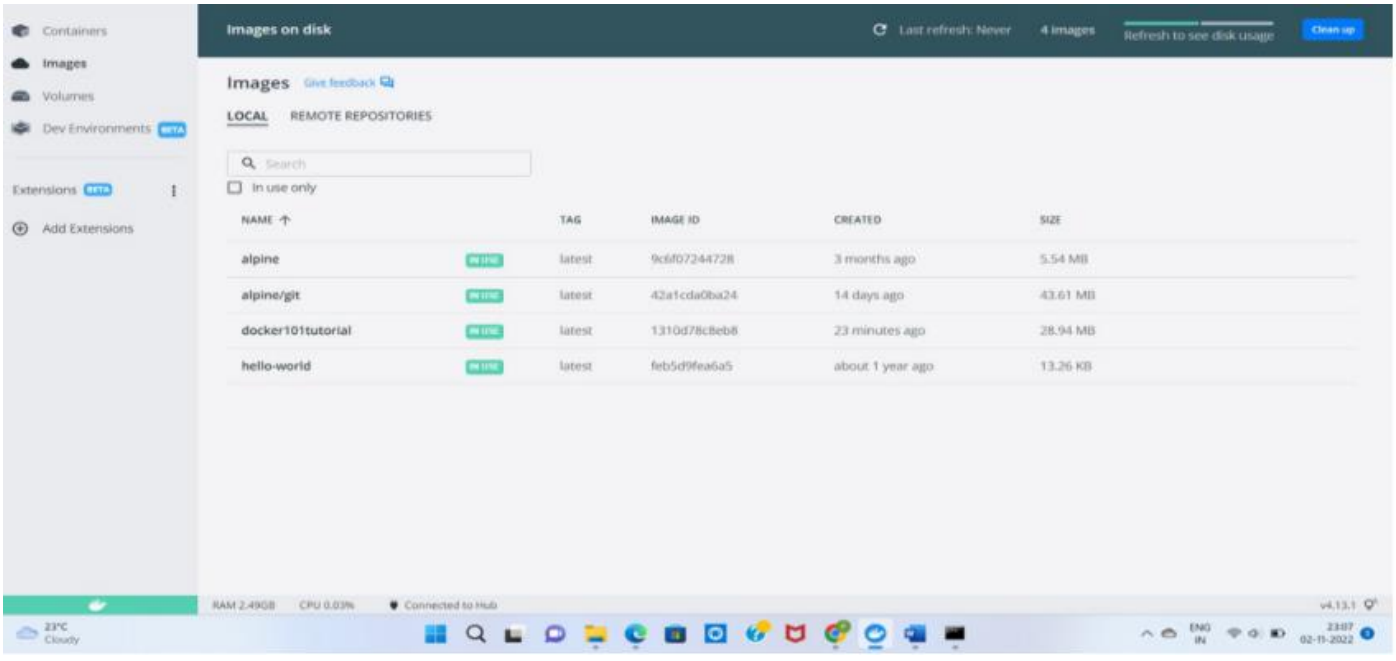
4. Create a Kubernetes cluster in IBM cloud and deploy flask applicationimage or job portal image and also expose the same app to run in nodeport.

Answers:

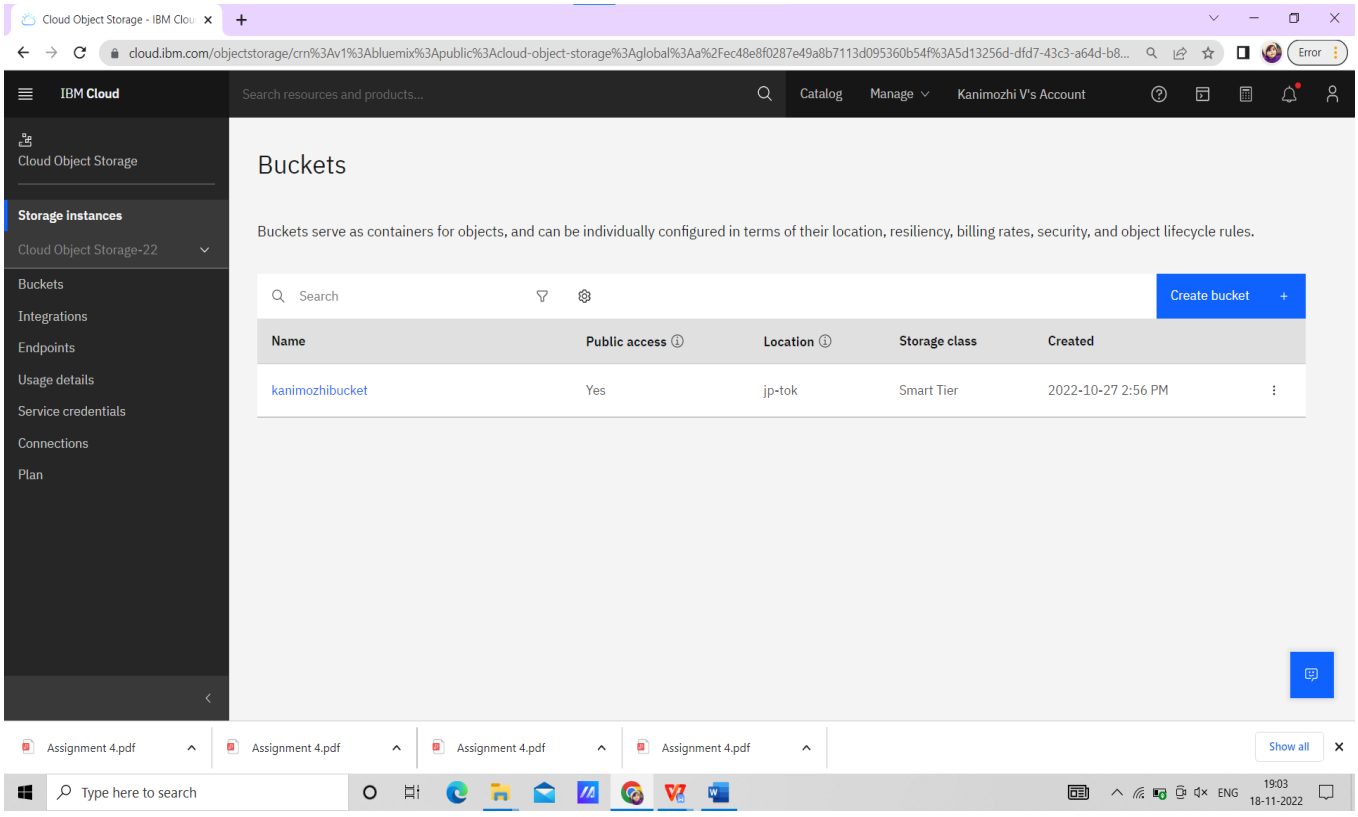
1. Pull an Image from docker hub and run it in docker playground.



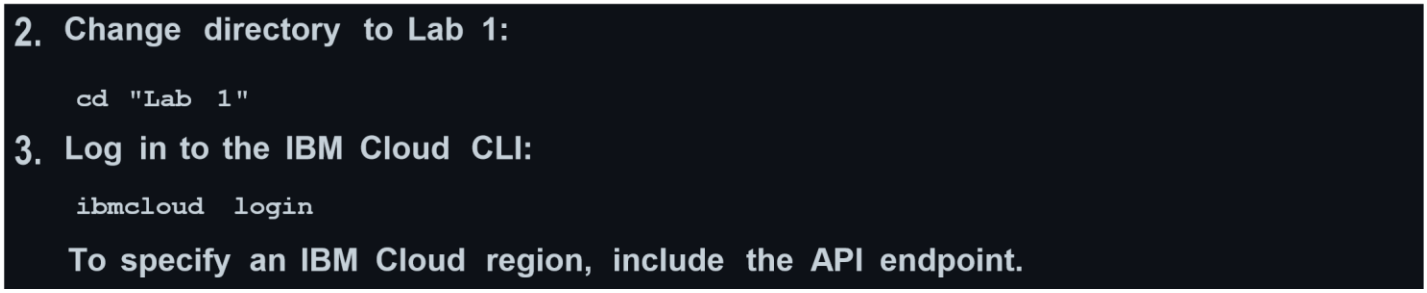
2.Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.



3.Create an IBM container registry and push a docker image of a flask application or job portal app.



4. Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in nodeport



4. In order to upload images to the IBM Cloud Container Registry, you first need to create a namespace with the following command:

```
ibmcloud cr namespace-add <my_namespace>
```

5. Build the container image with a `1` tag and push the image to the IBM Cloud Registry: `ibmcloud cr build --tag us.icr.io/<my_namespace>/hello-world:1 .`
6. Verify the image is built:

```
ibmcloud cr images
```