ASSIGNMENT-4

Docker and Kubernetes

ASSIGNMENT DATE	23 OCTOBER 2022
STUDENT NAME	DHARANI J S
STUDENT ROLL NUMBER	211519106034
MAXIMUM MARKS	2 MARKS

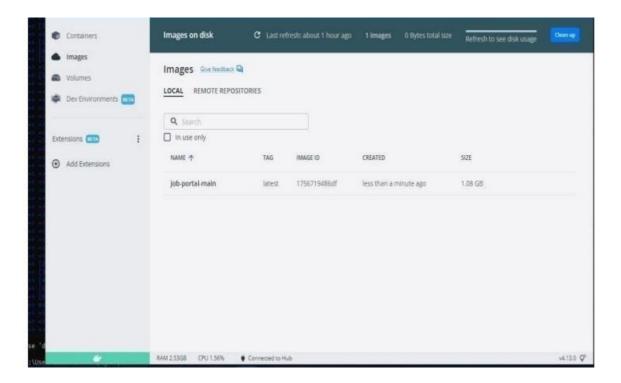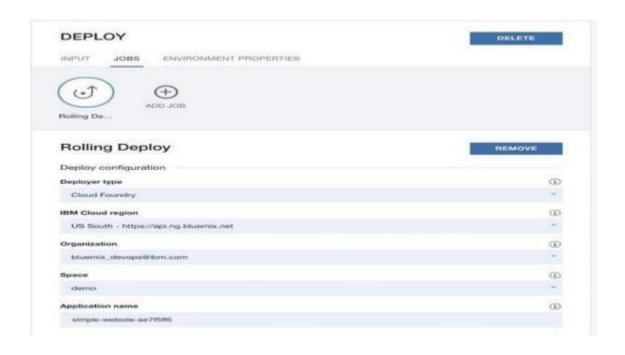**1. Pull an image from docker hub and run it in docker playground.**

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

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

```
 1  {
 2      "ServiceId": "com.ibm.cloudoe.orion.client.deploy",
 3      "Params": {
 4          "Target": {
 5              "Url": "https://api.ng.bluemix.net",
 6              "Org": "bluemix_devops@ibm.com",
 7              "Space": "demo"
 8          },
 9          "Name": "simple-website-ae7f5ff6",
10          "Instrumentation": {}
11      },
12      "Path": "manifest.yml",
13      "Type": "Cloud Foundry"
14  }
```

Hello, IBM Cloud World!

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

Hello World!

Thanks for creating an IBM Cloud Databases for PostgreSQL database.

Add a word to the database

The word [hello] is defined as [a greeting]   [Add]

Database output

```
The word bye is defined as a goodbye
The word bye is defined as a farewell
The word hello is defined as a greeting
The word hello is defined as a greeting
The word hello bob is defined as a greeting
The word hello bob is defined as a greeting
```