# **ASSIGNMENT-4**

Assignment Date	01 November 2022
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Student Register Number	312319104020
Maximum Marks	2 Marks

### **Ouestion 1:**

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

```
PS C:\Windows\system32> docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Image is up to date for hello-world:latest
docker.io/library/hello-world:latest
PS C:\Windows\system32>
```

## **Question 2:**

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

FROM helloworld:ash

WORKDIR ~/Desktop/

ADD . helloworld/

WORKDIR ~/Desktop/html1

RUN pip install -r requirements

RUN chmod +x app.sh

CMD ["/bin/sh","app.sh"]

# **Question 3:**

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

```
PS C:\WINDOWS\system32> docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:e18f0a777aefabe047a67lab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Image is up to date for hello-world:latest
docker.io/library/hello-world:latest
PS C:\WINDOWS\system32> docker tag hello-world icr.io/54321ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/54321ns/hello-world]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
PS C:\WINDOWS\system32> ibmcloud cr image-list
listing images...
   Repository Tag Digest Namespace Created Size Security status icr.io/54321ns/hello-world latest f54a58bclaac 54321ns 1 year ago 2.5 kB -
```

## **Question 4:**

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

