## **ASSIGNMENT-4**

Assignment Date	08 November 2022
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Register Number	961819104039
Marks	2 Marks

## Question 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:latest

WORKDIR ~/Desktop/

ADD . helloworld/

WORKDIR ~/Desktop/htmlfile

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.

```
Administrator: Windows PowerShell (x86)

OK

PS C:\Windows\system32> docker tag hello-world icr.io/06091ns/hello-world

PS C:\Windows\system32> docker push icr.io/06091ns/hello-world

using default tag: latest

The push refers to repository [icr.io/060091ns/hello-world]

e07eelbaac5f: Mounted from 12345ns/hello-world

latest: digest: sha250:f54a58bclaac5eala25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525

PS C:\Windows\system32>
```

## 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.

