ASSIGNMENT- 4

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Marks	2 Marks

Question 1:

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

```
C:\Users\mjeev\OneDrive\Desktop\IBM\Deployment Of App In IBM Cloud\Containerize The App\flask_docker>docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:faa03e786c97f07ef34423fccceeec2398ec8a5759259f94d99078f264e9d7af
Status: Image is up to date for hello-world:latest
docker.io/library/hello-world:latest

C:\Users\mjeev\OneDrive\Desktop\IBM\Deployment Of App In IBM Cloud\Containerize The App\flask_docker>
```

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.

```
C:\Users\mjeev\OneDrive\Desktop\IBM\Deployment Of App In IBM Cloud\Containerize The App\flask_docker>docker tag hello-world us.
icr.io/narenjee/myimages:v1

C:\Users\mjeev\OneDrive\Desktop\IBM\Deployment Of App In IBM Cloud\Containerize The App\flask_docker>docker push us.icr.io/nare
njee/myimages:v1
The push refers to repository [us.icr.io/narenjee/myimages]
e07ee1baac5f: Layer already exists
v1: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525

C:\Users\mjeev\OneDrive\Desktop\IBM\Deployment Of App In IBM Cloud\Containerize The App\flask_docker>
```

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.