ASSIGNMENT-4

Assignment Date	08 November 2022
Student Name	Gokul.S
Student Register Number	111419205016
Maximum 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 job portal application and deploy it in DockerDesktop Application

FROM

helloworld:lates

tWORKDIR

~/Desktop/

ADD .

helloworld/

WORKDIR

~/Desktop/htmlfile

RUN pip install -r

requirements RUN

chmod +x app.sh

CMD ["/bi n/sh","app.sh"]

Question 3:

```
PS C:\Users\HP> docker tag hello-world icr.io/0034ns/helloworld
PS C:\Users\HP> docker push icr.io/0034ns/helloworld
Using default tag: latest
The push refers to repository [icr.io/0034ns/helloworld]
e07ee1baac5f: Pushed
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
```

Create an IBM container registry and deploy helloworld app or Job portal app.

Question 4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image orjob portal image and also expose the same app to run in node port.