

ASSIGNMENT-4

| | |
|----------------|--------------------|
| AssignmentDate | 01November2022 |
| StudentName | T. Sahaya Kowsalya |
| RegisterNumber | 961819104074 |
| Marks | 2 Marks |

Question1:

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>
```

Question2:

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

FROM

helloworld:latestWORK

DIR

~/Desktop/ADD.hellow

orld/

WORKDIR

~/Desktop/htmlfileRUNpipinst

all-

requirementsRUNchmod+xap

p.sh

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

Question3:

Create an IBM container registry and deploy hello world app to job portal app.

```
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/06091ns/hello-world]
e07ee1baac5f: Mounted from 12345ns/hello-world
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
PS C:\Windows\system32>
```

Question4:

Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.

