ASSIGNMENT-4

AssignmentDate	01 November2022
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MaximumMarks	4 Marks

Question1:

PullanImagefromdockerhubandrunitindockerplayground.

```
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:

CreateadockerfileforthejobportalapplicationanddeployitinDockerdesktopapplication.

FROM

helloworld:latestWORK

DIR   ~/Desktop/ADD.

helloworld/

WORKDIR~/Desktop/sreyhtml

RUN   pip   install   -r

requirementsRUNchmod

+xapp.sh

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

Question3:

CreateaIBMcontainerregistryanddeployhelloworldapporjobportalapp.

```
PS C:\WINDOWS\system32> docker tag hello-world icr.io/26031ns/hello-world
PS C:\WINDOWS\system32> docker push icr.io/26031ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/26031ns/hello-world]
e07ee1baac5f: Mounted from 09876ns/hello-world
latest: digest: sha256:f54a58bc1aac5ea1a25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
```

Question4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image orjobportalimageand alsoexposethesameappto runinnodeport.