ASSIGNMENT-4

AssignmentDate	18November2022
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MaximumMarks	2Marks

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:

Create a docker file for the job portal application and deploy it in DockerDesktopApplication

FROM

helloworld:latestWORK

DIR~/Desktop/ADD.hel

loworld/

WORKDIR~/Desktop/htmlfileR

UN   pip   install   -r

requirementsRUNchmod+xapp.

sh

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

Question3:

CreateanIBMcontainerregistryanddeployhelloworldappporJobportalapp.

```
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
```

Question4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image
orjobportalimageandalsoexposethesameapptoruninnodeport.