

ASSIGNMENT-4

AssignmentDate	01November2022
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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:latest
WORKDIR
~/Desktop/ADD.hello
world/
WORKDIR
~/Desktop/htmlfile
RUN pip install -r requirements
RUN chmod +x app.sh
CMD ["/bin/sh", "app.sh"]
```

Question3:

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

```
Administrator Windows PowerShell (x64)

PS C:\Windows\system32> docker tag hello-world icr.io/0609ins/hello-world
PS C:\Windows\system32> docker push icr.io/0609ins/hello-world
Using default tag: latest
The push refers to repository [icr.io/0609ins/hello-world]
067e11a6c5f: Pushed from 123456/hello-world
latest: digest: sha256:f12a10hriac5eata25d79uae155c728b1f6e11d040ae276b19c4bf2f13d0e4-size: 525
PS C:\Windows\system32>
```

Question4:

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

