

Question-1

Pull an Image from docker hub and run it in docker playground

```
C:\Users\navvee>docker pull naveen2920/hellomainscript
Using default tag: latest
latest: Pulling from naveen2920/hellomainscript
a0d0a0d46f8b: Already exists
ba51967de001: Already exists
472f8c18fd1c: Already exists
02e5da7e751e: Already exists
0da47f71280c: Already exists
f8532a4aced2: Already exists
65a573608602: Already exists
dff5a2635731: Already exists
a7eb936aa036: Already exists
Digest: sha256:c0ef41dcd895e5610a86ad15b5da69817ad0696f02d4770b02237d0b2b5b5bb4
Status: Downloaded newer image for naveen2920/hellomainscript:latest
docker.io/naveen2920/hellomainscript:latest

C:\Users\navvee>
```

```
C:\Users\navvee>docker run -p 5000:5000 -d naveen2920/hellomainscript
38a6788a8ba3e2f2201556346a5ac03d39a43305be6244ccbd2d0fdedb086928

C:\Users\navvee>
```

Question-2

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

```
# init a base image (Alpine is small Linux distro)
FROM python:3.9.7-alpine
# update pip to minimize dependency errors
RUN pip install --upgrade pip
# define the present working directory
WORKDIR /hellomainscript
```

```
# copy the contents into the working dir
ADD . /hellomainscript
# run pip to install the dependencies of the flask app
RUN pip install -r requirements.txt
# define the command to start the container
CMD ["python", "main.py"]
```

PS C:\Users\ navee\PycharmProjects\hellomainscript> docker image build -t hellomainscript .

Question -3

Create a IBM container registry and deploy helloworld app or jobportalapp

```
C:\Users\ navee>docker tag naveen2920/hellomainscript jp.icr.io/naveen/helloworld:hello

C:\Users\ navee>docker push jp.icr.io/naveen/helloworld:hello
The push refers to repository [jp.icr.io/naveen/helloworld]
f77c6c64dd8c: Pushed
a31904724d08: Pushed
7b33b1942da4: Pushed
9e7137c3ef6d: Pushed
93f9344096eb: Pushed
3d0f587437fc: Pushed
30c8c0eb50cf: Pushed
ed931b0a1806: Pushed
e2eb06d8af82: Pushed
hello: digest: sha256:c0ef41dcd895e5610a86ad15b5da69817ad0696f02d4770b02237d0b2b5b5bb4 size: 2208
```