# Question-1 Pull an Image from docker hub and run it in docker playground

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| --- |
| C:\Users\Saravanan148>docker pull saravanan148/hello1  Using default tag: latest  Latest: Pulling from saravanan148/hello1 ca7dd9ec2225: Already exists  Be124a36b9ab: Already exists  8667c4d827e9: Already exists  322b5bc612d6: Already exists  533e3d869ffb: Already exists  2708e70b3f48: Already exists  12d3bd591cf0: Already exists  24e0673648dc: Already exists  175ccbcbcafe: Already exists  Digest: sha256: b3ba503ab8f6a8e22312e0425f486fec74309b8505338604d9bdeb3ed28e8823 Status: Downloaded newer image for saravanan147/hello1: latest docker.io/saravanan148/hello1: latest  C:\Users\saravanan148> |

C:\Users\saravanan148>docker run -p 5000:5000 -d saravanan148/hello1 ab0e48953acec7489e48590606df4aeb3b59c6b9c66fba64e5e537b41dc59350

C:\Users\saravanan148>

Question-2

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

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| --- |
| # init a base image (Alpine is small Linux distro)  FROM python:3.10.8-alpine  # update pip to minimize dependency errors  RUN pip install --upgrade pip # define the present working directory  WORKDIR /hello1  # copy the contents into the working dir  ADD . /hello1  # 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","app.py"]

(venv) PS C:\Users\saravanan148\PycharmProjects\hello1> docker image build -t hello1 .

Question -3

Create a IBM container registry and deploy helloworld app or jobportalap

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| --- |
| C:\Users\saravanan148>docker push jp.icr.io/saravanan148/hello-world:hello  The push refers to repository [jp.icr.io/saravanan148/hello-world]  6391736c4fes: Pushed 1939675abf8e: Pushed f518a2f3977a: Pushed f7834adff5cd: Pushed  5d9bd8a6b714: Pushed  333496496727: Pushed 2edf98458dc1: Pushed f88ab98a8afe: Pushed e5e13b0c77cb: Pushed  hello: digest: sha256:b3ba583ab8f6a8e22312e0425f486fec74309b85053 d9bdeb3ed28e8023 size:  2208  C:\Users\saravanan148> |