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**Note :- The answer is in bullets ( ➔ )**

**Assigignment-15 :**

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**Ques 1:** Below is a small flask app with a Dockerfile your task is to explain the Dockerfile and then make a change in the app.py file and change your name in "My name is ____" string, then create a Docker Image and push it to docker hub.After building that docker image your name should be shown at that place.

For a successful submission share docker hub link and a screenshot to the webpage.

Find the code from here: https://github.com/DARK-art108/Dockerfile-Assignment

➔

FROM ubuntu:20.04

RUN apt-get update && apt-get install -y python3 python3-pip

RUN pip install flask

COPY app.py /opt/

ENTRYPOINT FLASK_APP=/opt/app.py flask run --host=0.0.0.0 --port=8080

- The Dockerfile is used to build a Docker image of the Flask application. An image is a pre-configured file that contains all the necessary files and settings to run a  specific   application or service. It is essentially a snapshot of a container. It starts with the base image of ubuntu:20.04. Then, it updates the package list and installs python3 and python3-pip. Next, it runs the command to install the package 'flask' using pip. After that it copies the app.py file from the host machine to /opt directory in the container. Finally, it sets the entrypoint to be the command "FLASK_APP=/opt/app.py flask run --host=0.0.0.0 --port=8080" which runs the flask app.

DockerHub Link :- https://hub.docker.com/repository/docker/rishikeshops/assighnment-15/general

Imagename :-  **rishikeshops/assighnment-15**