

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>

```
Dockerfile-Assignment > Dockerfile > FROM
Ritesh Yadav, 3 days ago | 1 author (Ritesh Yadav)
1 FROM ubuntu:20.04 Ritesh Yadav, 3 days ago • Create Dockerfile ...
2
3 RUN apt-get update && apt-get install -y python3 python3-pip
4
5 RUN pip install flask
6
7 COPY app.py /opt/
8
9 ENTRYPOINT FLASK_APP=/opt/app.py flask run --host=0.0.0.0 --port=8080
10
```

- This docerfile is using Ubuntu 20.04 as base image
- Second line updating the OS and installing python and python-pip
- 3rd line installting flask package
- 4th line we are copying the app.py file to /opt/ directory of ubuntu
- ENTRYPOINT command runs when every time container started from image. Here it is running app.py file on host 0.0.0.0 and port 8080.
- **Note: with this configuration I am not able to run the application within docker container. I removed –port parameter and it is working fine on default port 5000.**

Docker hub link : <https://hub.docker.com/repository/docker/rahul4884/flask-app/general>

Output of webpage

