Working With Python -Dockerfile

>> mkdir pythonapp

>> cd pythonapp

>> nano Dockerfile

#inside the Dockerfile

FROM python:3.9-slim

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

Expose 5000

CMD ["Python","app.py"]

#create requirements.txt file

click==8.0.3

colorama==0.4.4

Flask==2.0.2

itsdangerous==2.0.1

Jinja2==3.0.3

MarkupSafe==2.0.1

Werkzeug==2.0.2

gunicorn==20.1.0

#create app.py file

>> nano app.py

from flask import Flask

import os

app = Flask(\_\_name\_\_)

@app.route('/')

def hello\_geek():

return '<h1>Hello from Flask & Docker</h1>'

@app.route('/hi')

def hell():

return '<h1>Hiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii from Flask & Docker</h1>'

if \_\_name\_\_ == "\_\_main\_\_":

port = int(os.environ.get('PORT', 5000))

app.run(debug=True, host='0.0.0.0', port=port)

#bulding pythonapp image

>> docker build -t pythonappimg .

>> docker run -d -p80:5000 --name pythonwala pythonimg

>> docker ps

paste IP on browser