Setup Flask and Dockerfile

- **Make Project Folder**
  Open your terminal and make a folder for your flask application let's say "flask_docker_demo"
  by executing the following commands:

  ```
  $mkdir flask_docker_demo

  $cd flask_docker_demo #to change the directory
  ```

Paste the following code into "demo.py"

from flask import Flask

app = Flask(__name__)

@app.route('/')

def hello():

    return "welcome to the flask tutorials"

if __name__ == "__main__":

    app.run(host ='0.0.0.0', port = 5001, debug = True)

Insert the following code into the Dockerfile created earlier:

Add a new file and name is as "Dockerfile"

Paste the following code into it

FROM python:alpine3.7

COPY . /app

WORKDIR /app

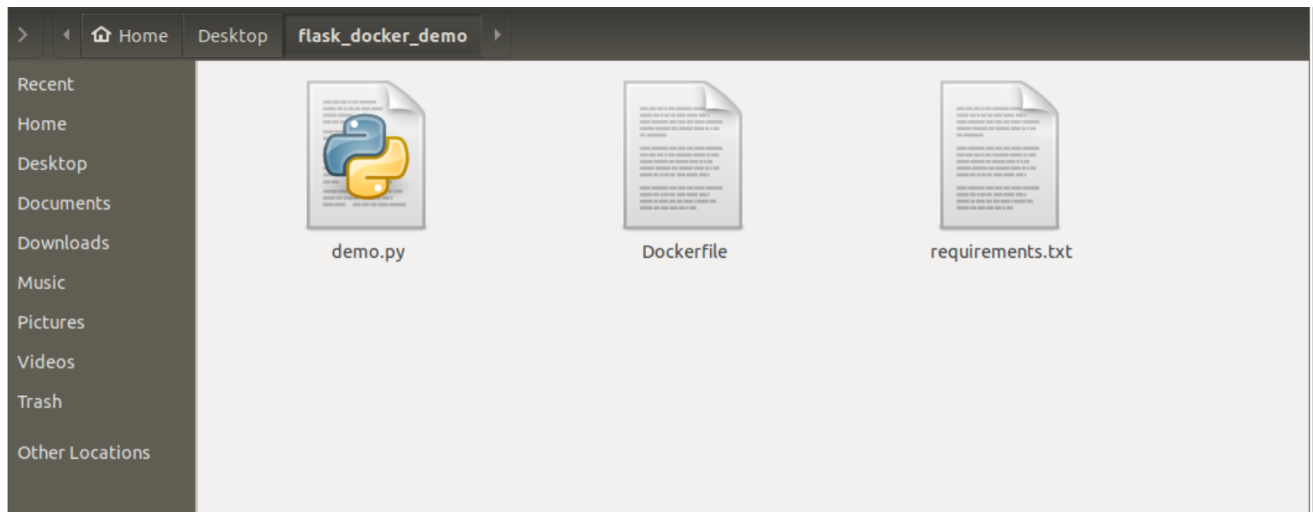RUN pip install -r requirements.txt

EXPOSE 5001

ENTRYPOINT ["python"]

CMD ["demo.py"]

Copy the following into "requirements.txt" file

Create the requirements.txt manually if you haven't created it already with gedit and Add the following line into it

```
flask
```

We should have below structure

Test the flask app

Go inside the root folder **"flask-docker-demo"** if you aren't already in this directory and run the following command "python demo.py"

OUTPUT:

welcome to the flask tutorials