Step 1:

# Implement <https://testdriven.io/blog/fastapi-docker-traefik/> in your github library with a README file for step by step execution. Your code should run and the apis should work.

1. In VS code opened a blank folder named XQuantum (created in File explorer), later executed the command python3.11 -m venv venv.
2. Then I used venv\Scripts\activate.batto activate virtual environment. The command given in blog is different from which I used. My system runs on Windows, while blog is written for MAC/Linux.
3. Created the files and folders as instructed in blog, using VS code.

├── app

│ ├── \_\_init\_\_.py

│ └── main.py

└── requirements.txt

1. Added

fastapi==0.89.1

uvicorn==0.20.0 to requirements.txt file.

1. Then executed the command pip install -r requirements.txt in VS code Powershell.
2. FastAPI and starlette is installed. Uvicorn is already exists in my PC.
3. After running the simple FastAPI sample program, A website began in port [127.0.0.1:8000](http://127.0.0.1:8000/) showing output {"hello":"world"}.
4. Killed the server by clicking Cntrl+C. And erased the app environment.

## Docker

1. Created a txt named Dockerfile in the directory.
2. Then pasted the file shown in blog.
3. I don’t have docker in my system, I have installed docker. Updated wsl using command wsl –update.
4. Then I copied the link shown in my docker and run it in my project terminal and started building the slim image.