DevOps Lab
Documentation

Program 3:

Code a Dockerized Python Flask

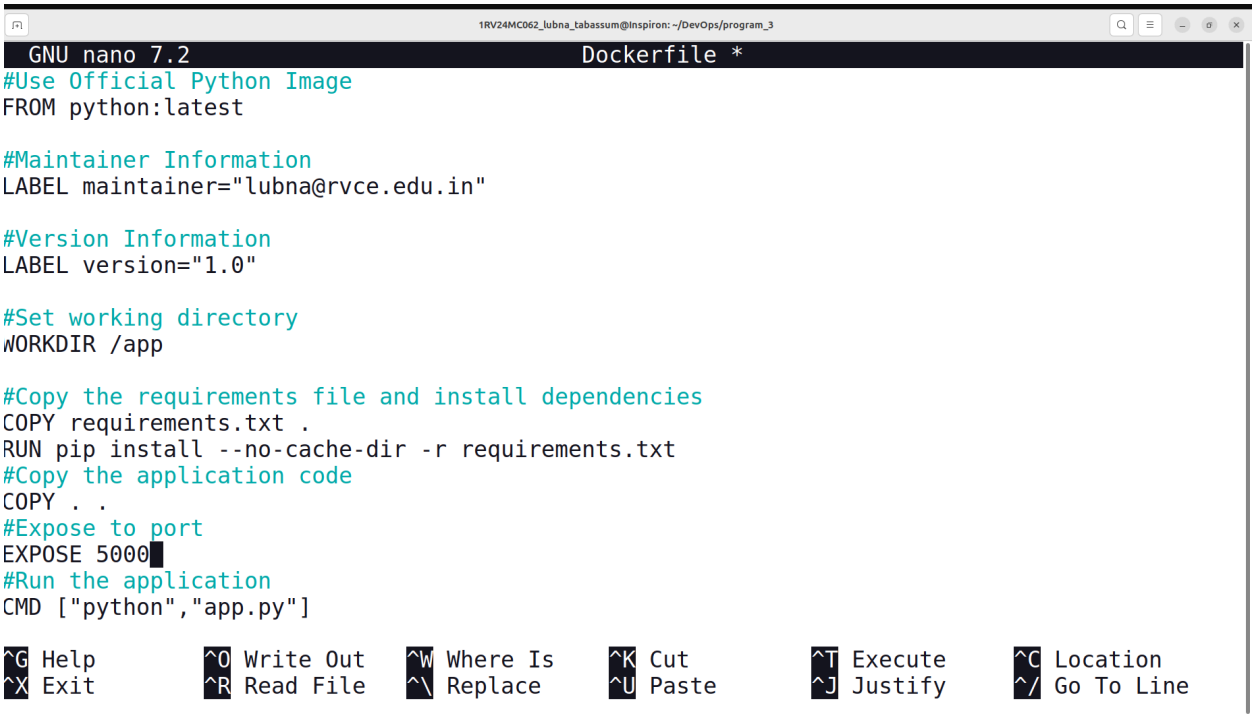
Project Structure:

program_3/
—>Dockerfile
—>requirements.txt
— >app.py

Procedure:

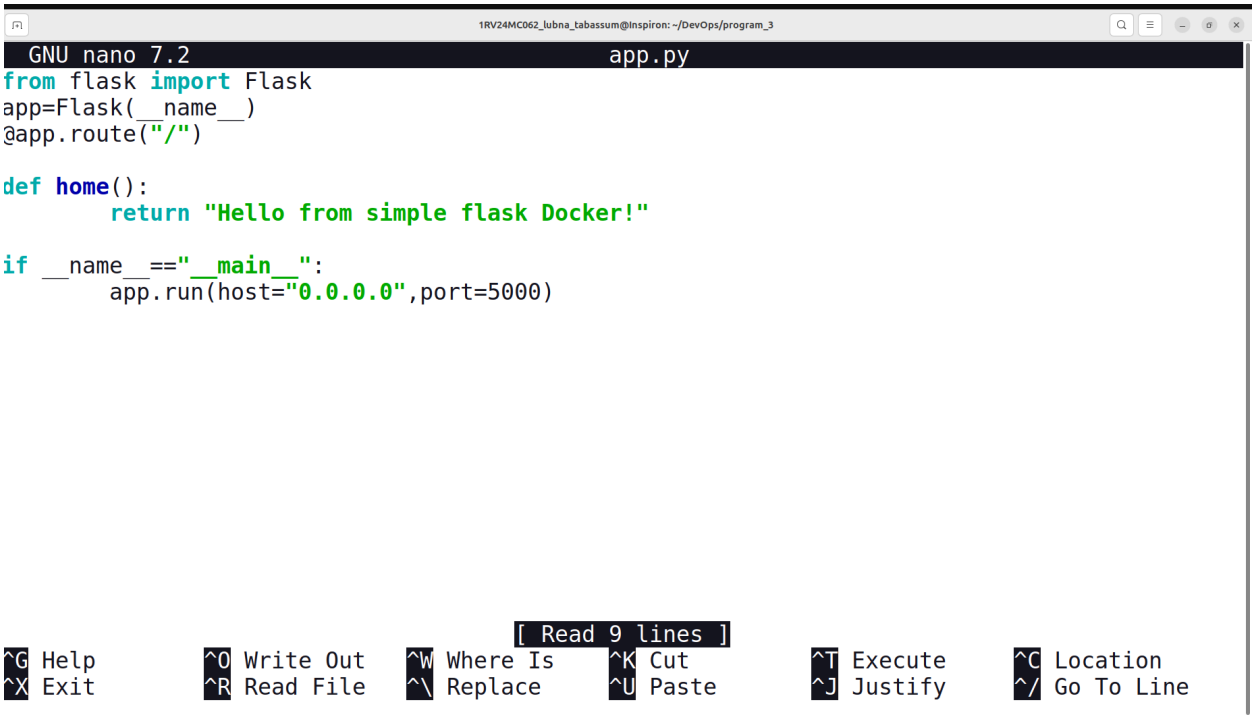
Create a folder (ex: program_3)

Step 1: Create a **Dockerfile** without any extensions and add the following content
nano Dockerfile

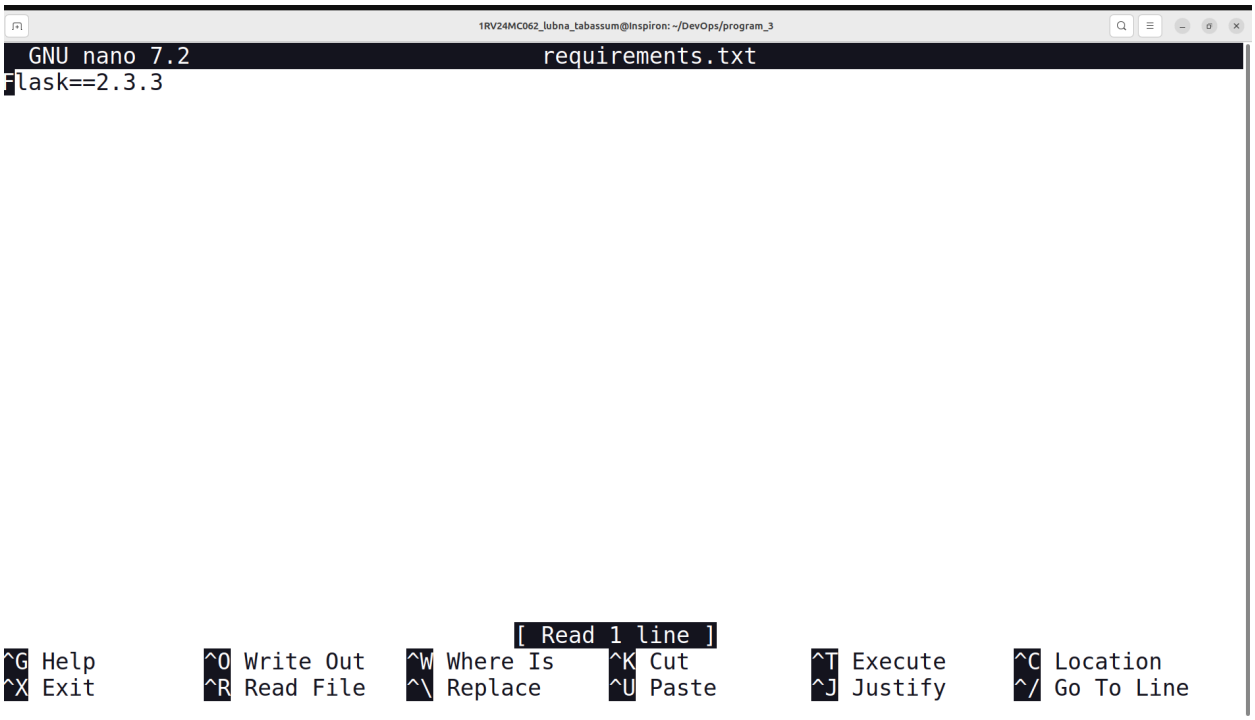


Step 2: Create a app.py file with following code

nano app.py

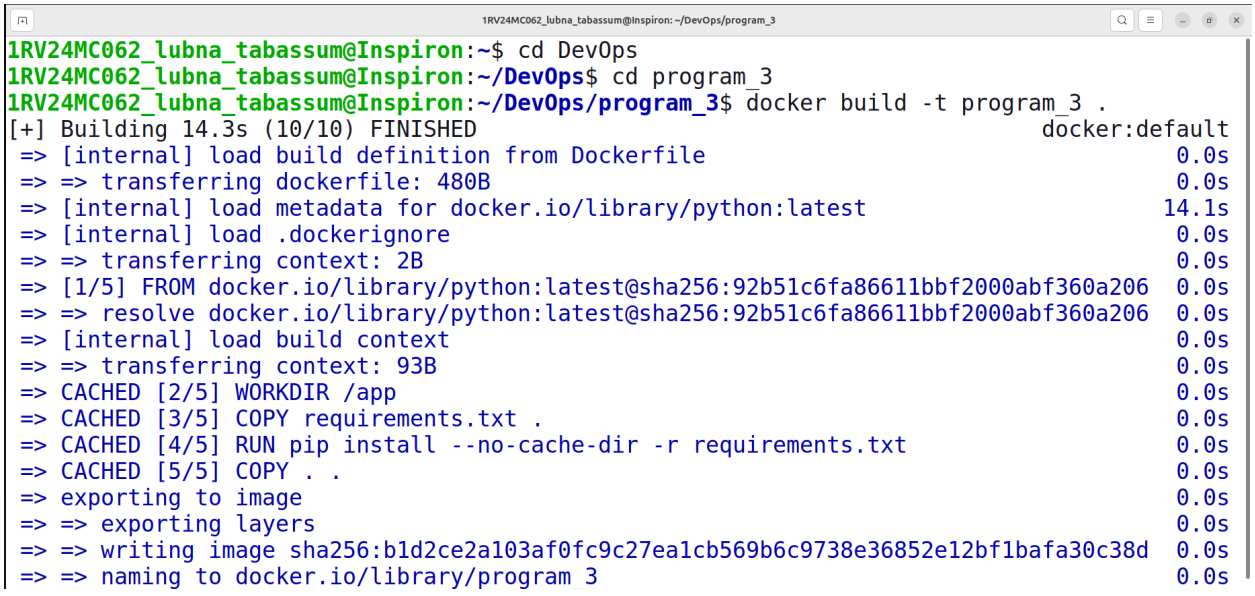


Step 3: Create requirements.txt file



Step 4: Execute the Docker Build command

docker build -t program_3 .



Step 5: Run the docker command and specify the port number

docker run -d -p 3000:3000 program_3

```
1RV24MC062_lubna_tabassum@Inspiron:~/DevOps/program_3$ docker run -p 5000:5000 program_3
 * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a produ
ction WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://172.17.0.2:5000
Press CTRL+C to quit
```

Step 6: Verify localhost details on browser

http://localhost:5000

Hello from simple flask Docker!