DevOps Lab
Documentation

Program 1:

Build a Docker Container from a Custom Dockerfile

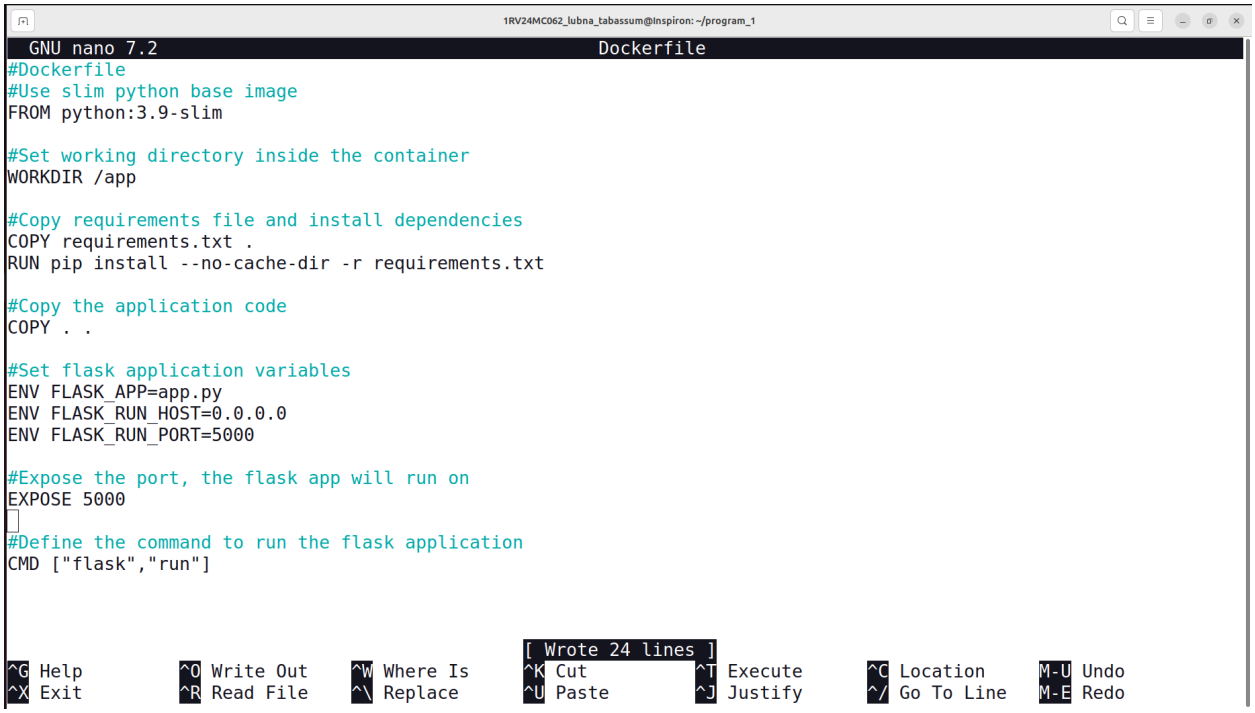
Project Structure:

program_1/
—>Dockerfile
—>app.py
—>requirements.txt

Procedure:

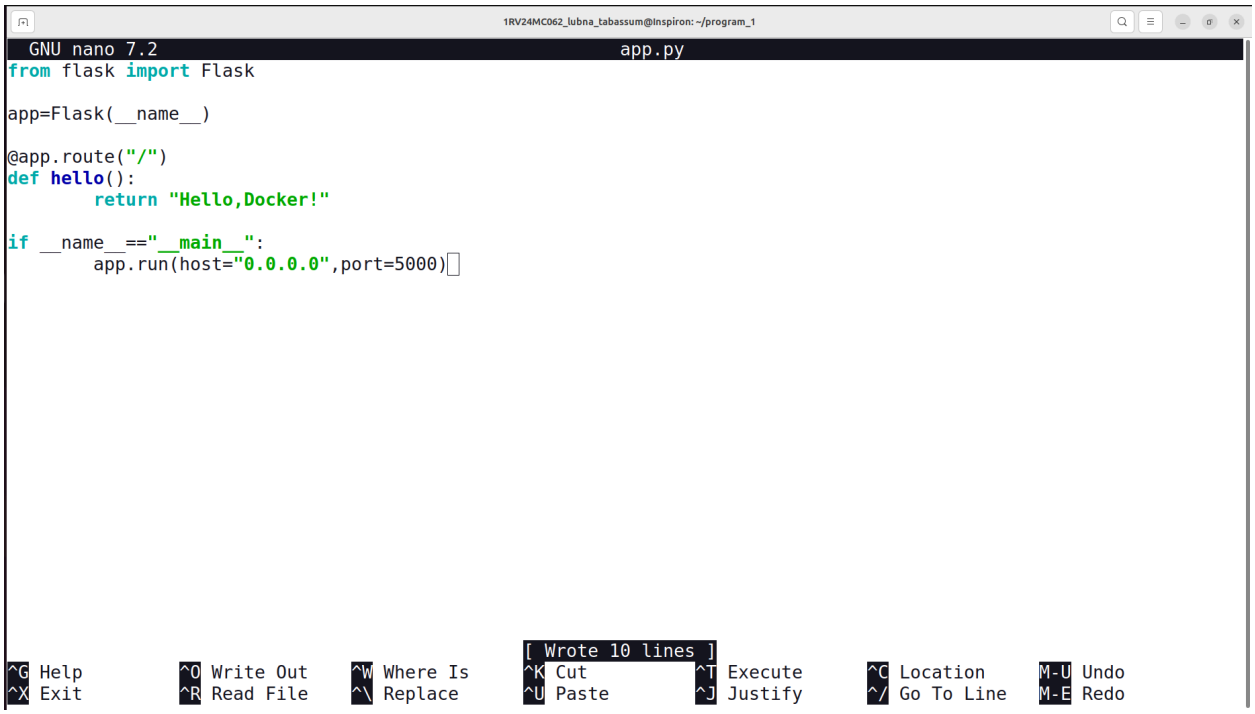
Create a folder (ex: program_1)

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



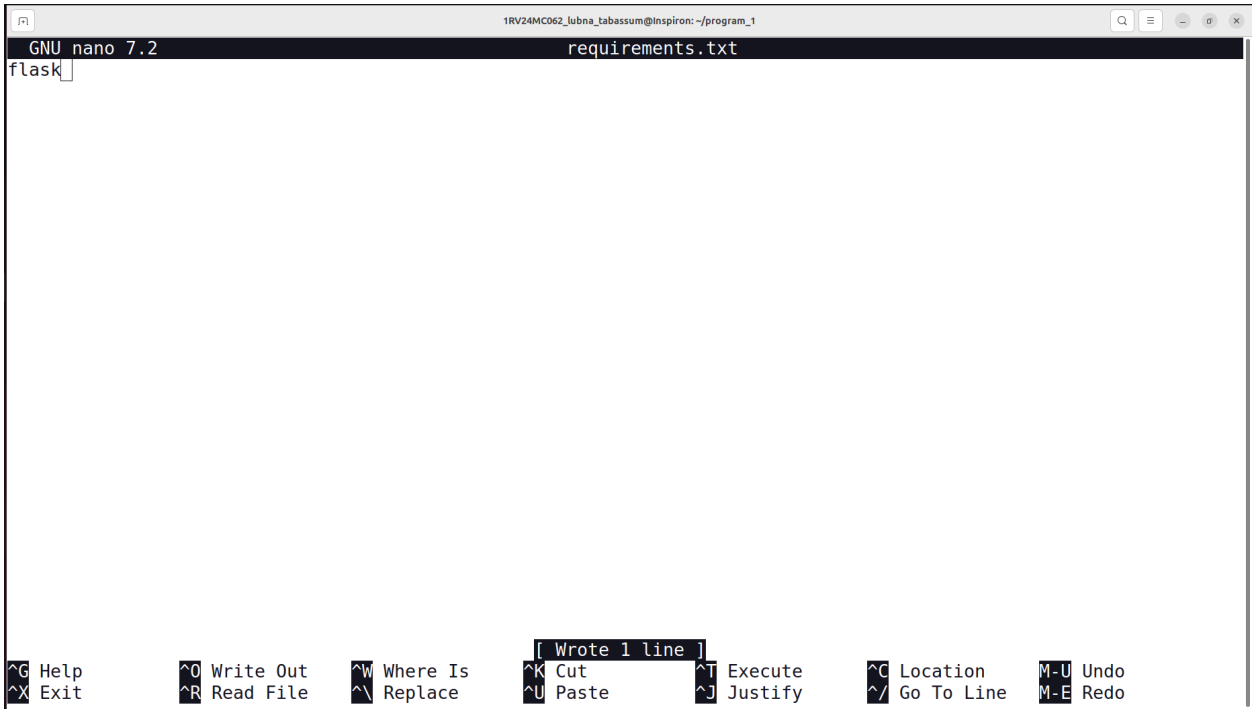
Step 2: Create a python file- app.py with following code

nano app.py



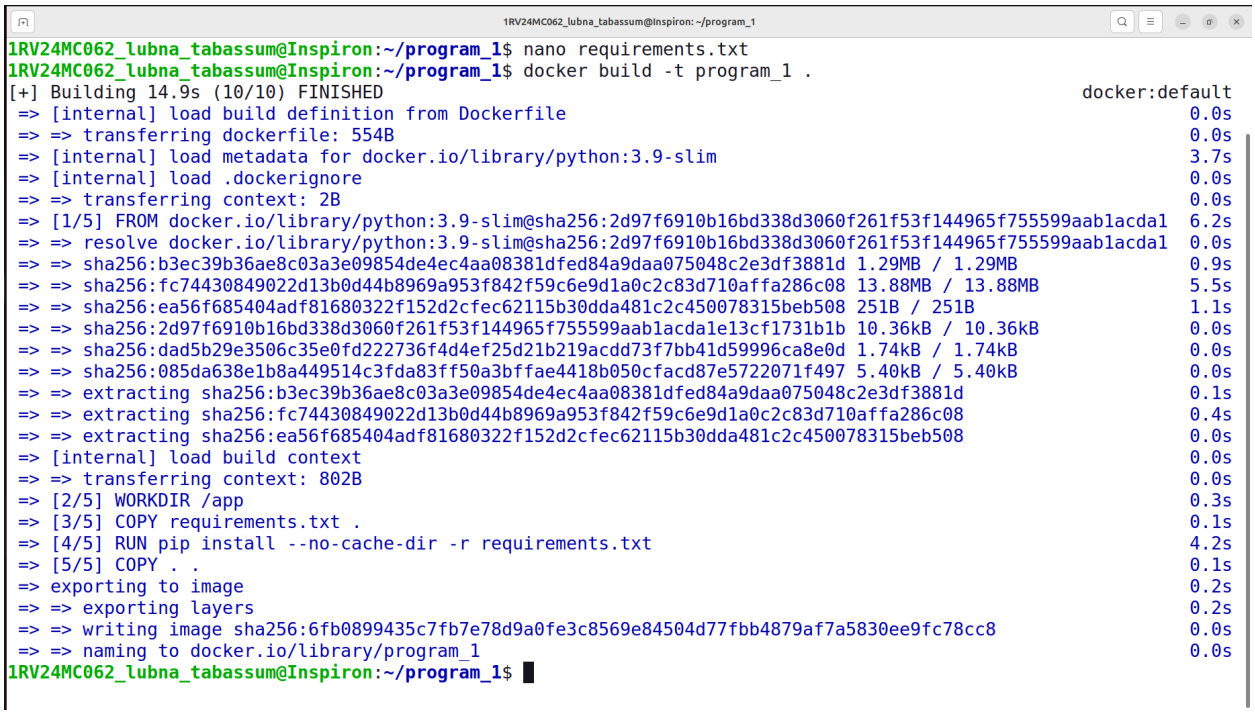
Step 3: Create a text file- requirements.txt with following content

nano requirements.txt



Step 4: Execute the Docker Build command

docker build -t program_1 .



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

docker run -d -p 5000:5000 program_1

Step 6: Verify localhost details on browser

http://localhost:5000