DevOps Lab

Program - 1

Build a Docker Container from a Custom Dockerfile

Project Structure

program1/

|

├── **Dockerfile**

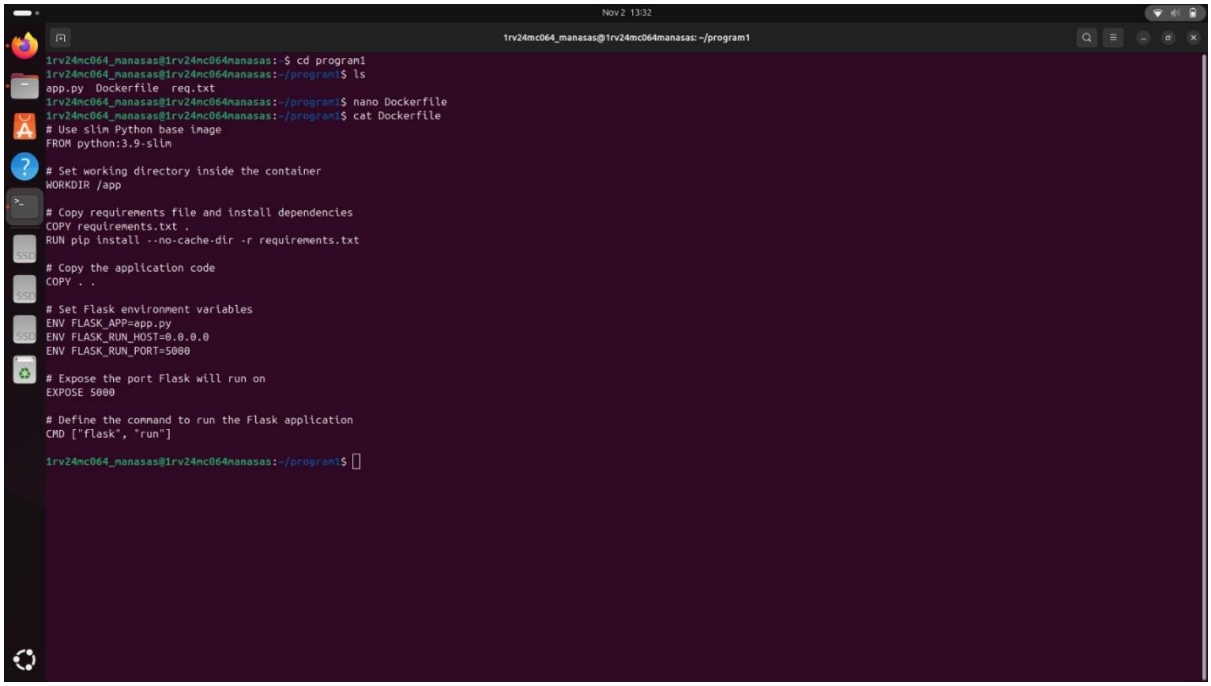
├── **app.py**

└── **requirements.txt**

Step 1: Create Project Folder

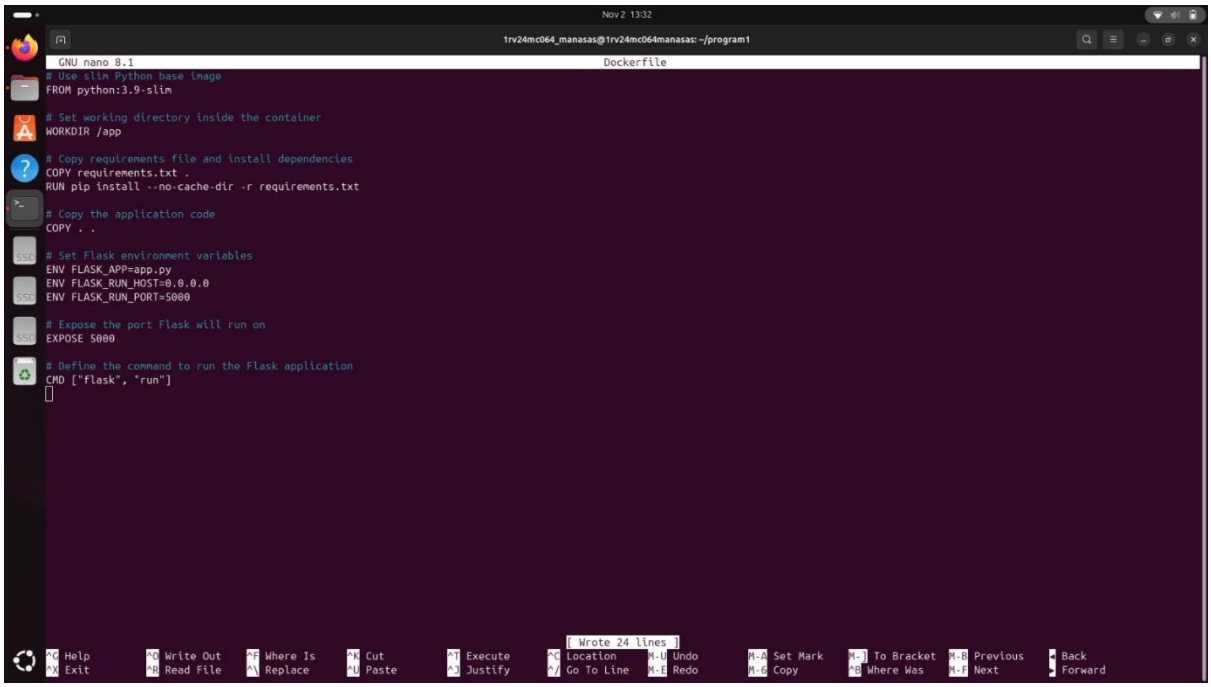
mkdir program1

cd program1



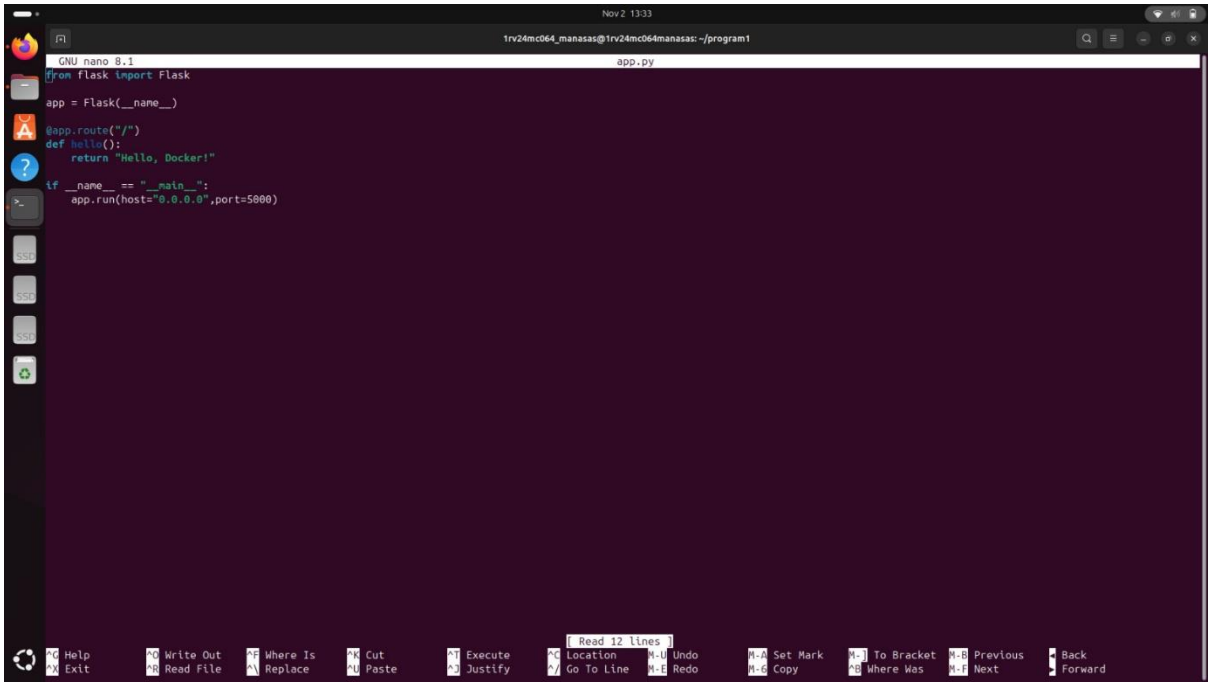
Step 2: Create Dockerfile

sudo nano Dockerfile



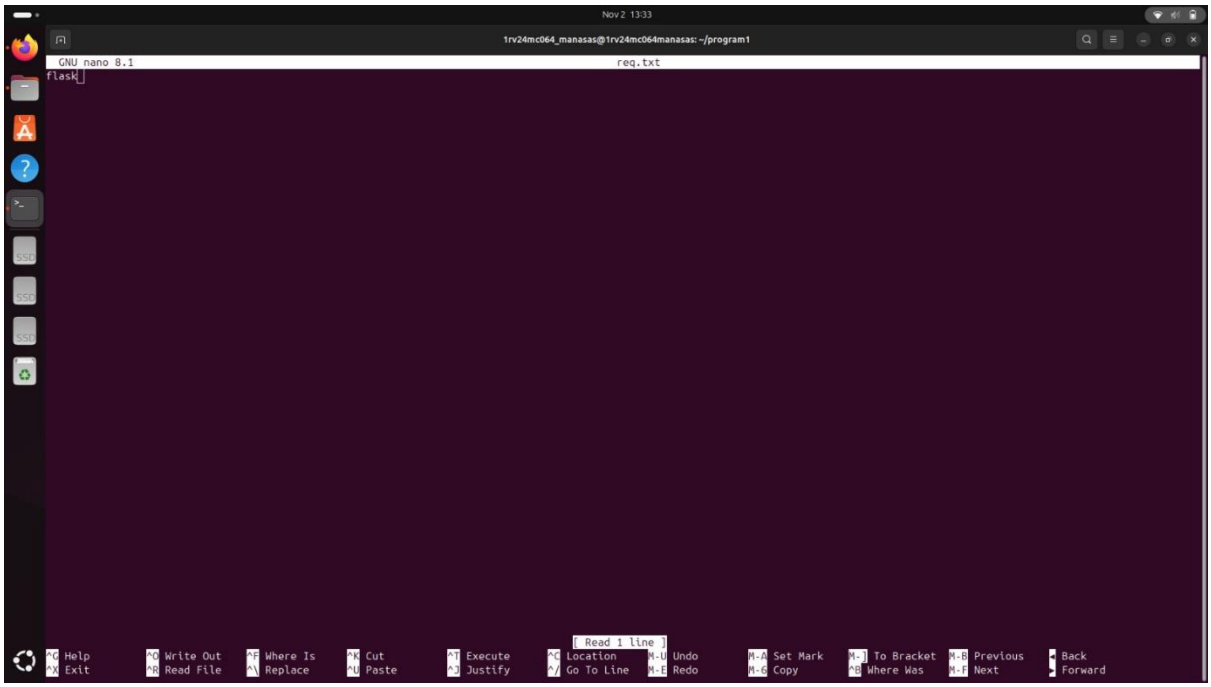
Step 3: Create Python Application File

nano app.py



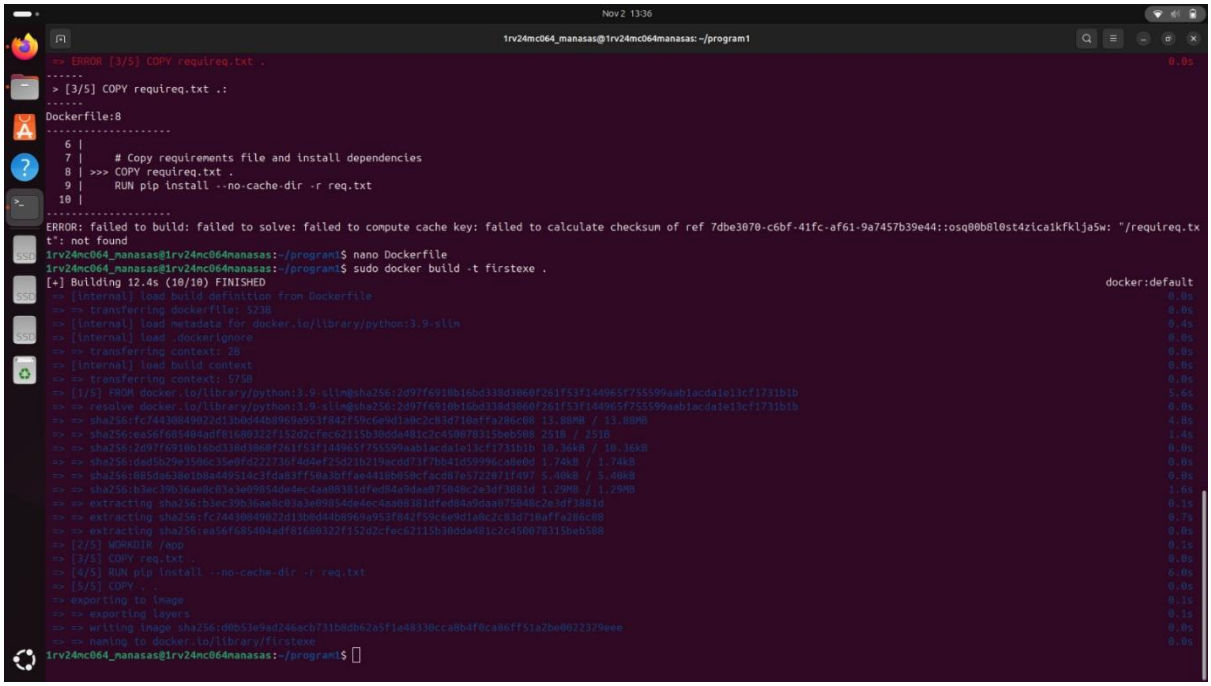
Step 4: Create requirements.txt File

nano requirements.txt



Step 5: Build the Docker Image

Sudo docker build -t firstexe .

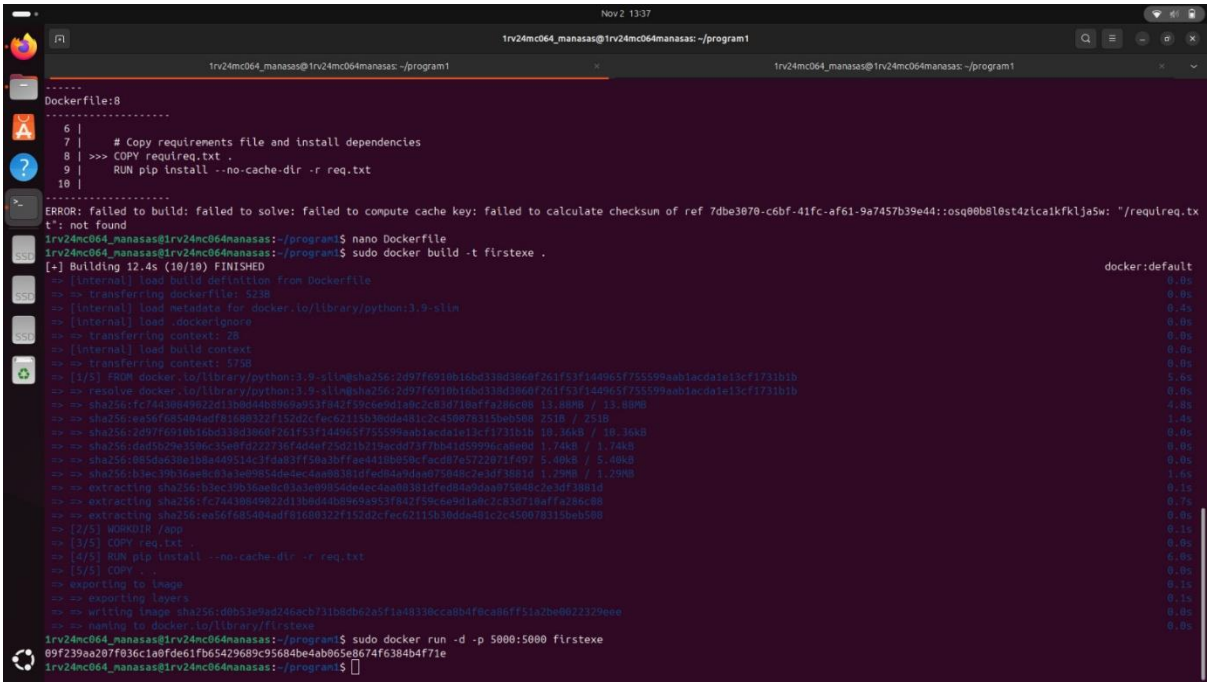


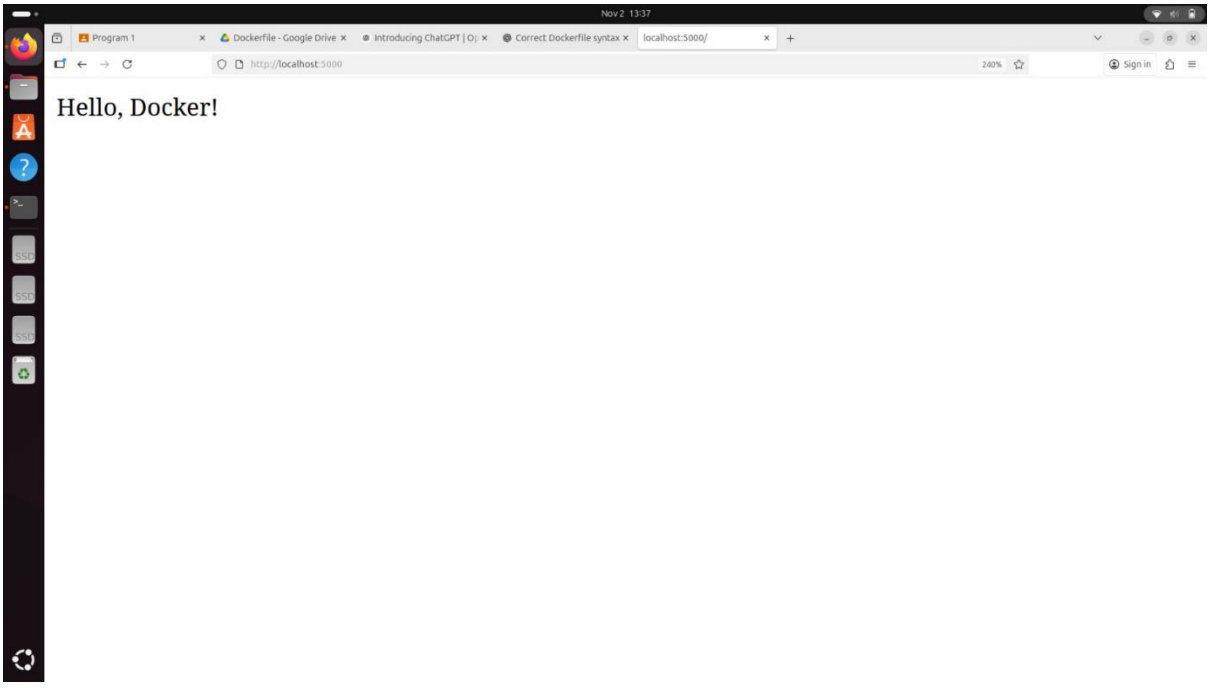
Step 6: Run the Docker Container

docker run -d -p 5000:5000 program_1

Step 7: Verify the Application

Open your browser and go to: http://localhost:5000





Step 8: Verify Running Container

docker ps