how to run c++ program in ns3

To save and run a C++ program in NS-3 on Ubuntu, follow these steps:

Step 1: Save Your C++ Program in NS-3

1. **Navigate to the NS-3 directory**
   If you have NS-3 installed in ~/ns-3, open a terminal and go to the scratch folder:

   cd ~/ns-3/scratch

2. **Create and save your C++ program**
   Use a text editor like nano or vim to create a new file:

   nano simple-ns3.cc

Paste your NS-3 C++ code inside the file and save it (Ctrl + X, then Y and Enter in nano).

Step 2: Build the NS-3 Project

After saving the file, go back to the main NS-3 directory:

cd ~/ns-3

./ns3 build

This will compile the program, including any new files in scratch/.

Step 3: Run the C++ Program in NS-3

Execute the program using:

./ns3 run scratch/simple-ns3

This runs your program and displays the output in the terminal.