```
Install the following libraries:
sudo apt install build-essential autoconf automake libxmu-dev
To install gcc-4.8 and g++-4.8
open the file:
sudo nano/gedit /etc/apt/sources.list
Include the following line
deb http://in.archive.ubuntu.com/ubuntu bionic main universe
sudo apt update
sudo apt install gcc-4.8 g++-4.8
Unzip the ns2 packages to home folder
tar zxvf ns-allinone-2.35.tar.gz
go to ns-allinone-2.35/ns-2.35
$cd ns-allinone-2.35/ns-2.35
Modify CC and CPP to @CC@ to gcc-4.8 and @CXX@ to g++-4.8 int the following files.
~ns-2.35/Makefile.in
~nam-1.15/Makefile.in
~xgraph-12.2/Makefile.in
~otcl-1.14/Makefile.in
open the file:
~ns-2.35/linkstate/ls.h
Modify the code at the Line no 137
void eraseAll() { erase(baseMap::begin(), baseMap::end()); }
void eraseAll() { this->erase(baseMap::begin(), baseMap::end()); }
Open a new terminal
$cd ns-allinone-2.35/
$ ./install
After Installation Set the PATH
Open a new Terminal,
$ gedit .bashrc
Paste the following lines
export PATH=$PATH:/home/<yourusername>/ns-allinone-2.35/bin:/home/<yourusername>/
ns-allinone-2.35/tcl8.5.10/unix:/home/<yourusername>/ns-allinone-2.35/tk8.5.10/unix
export LD_LIBRARY_PATH=/home/<yourusername>/ns-allinone-2.35/otcl-1.14:/home/
<yourusername>/ns-allinone-2.35/lib
```

Logout and login back or \$ source .bashrc

now check if ns2 is working \$ns \$nam \$xgraph

In case if the xgraph was not working do th following:

download xgraph from google drive Exract the file Run command sudo cp xgraph /bin/xgraph After this now type sudo chmod 777 /bin/xgraph