METHOD 2 : {Little longer-highly recommended}

This method is the one where many noobs usually get stuck. But worry not! Just follow the steps explained here.

Step 1 : Download the ns-allinone-2.35 from this site:
http://bit.ly/downloadns

Step 2 : Place the ns-allinone-2.35.tar.gz package in your home folder(/home/cm in my case). Right click the package and extract the contents in the same folder.

Step 3: Next, open the Terminal (Applications --> Accessories --> Terminal)

Step 4: Change to ns-allinone2.35 directory
$ cd /home/cm/ns-allinone-2.35

Step 5: First install all the dependencies
$ sudo apt-get install build-essential autoconf automake libxmu-dev gcc-4.3

NS2.35 installs smoothly with gcc compiler version 4.3. By default, Ubuntu10.10 ships with gcc-4.4.5. So we use a downgraded compiler version for the installation. This is done as follows :

Edit Makefile.in found at this location ns-allinone-2.35/otcl-1.14/Makefile.in as follows:

Find the line that says:
CC= @CC@
and change it to:
CC= gcc-4.3

Step 6 : Begin ns2.35 installation
$ sudo su
# ./install

step7: Once the installation is successful i.e without any errors, we need to add the path information to the file /home/cm/.bashrc

$ sudo gedit /home/cm/.bashrc

I remind you once again that cm is my username, replace it with your username.

Step 8: Append the following lines to the file /home/cm/.bashrc (after replacing the instances where you find cm with your username)

# LD_LIBRARY_PATH
OTCL_LIB=/home/cm/ns-allinone-2.35/otcl-1.14
NS2_LIB=/home/cm/ns-allinone-2.35/lib
X11_LIB=/usr/X11R6/lib
USR_LOCAL_LIB=/usr/local/lib
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:$OTCL_LIB:$NS2_LIB:$X11_LIB:$USR_LOCAL_LIB

# TCL_LIBRARY
TCL_LIB=/home/cm/ns-allinone-2.35/tcl8.5.10/library
USR_LIB=/usr/lib
export TCL_LIBRARY=$TCL_LIB:$USR_LIB

# PATH
XGRAPH=/home/cm/ns-allinone-2.35/bin:/home/cm/ns-allinone-2.35/tcl8.5.10/unix:/home/cm/ns-allinone-2.35/tk8.5.10/unix

#the above two lines beginning from xgraph and ending with unix should come on the same line

NS=/home/cm/ns-allinone-2.35/ns-2.35/
NAM=/home/cm/ns-allinone-2.35/nam-1.15/
PATH=$PATH:$XGRAPH:$NS:$NAM

Step 9 : For the changes to take effect immediately, do the following:

simply quit the Terminal and open it again.

Thats all!

After this, type ns to see % and type nam to show the nam startup window.

This proves that your installation has been successful.

See how simple it has been! See you next month with another interesting tech nugget, until then happy Whackking!