```
$ mkdir ns3-2024

$ cd ns3-2024

$ ls
  ( ns-allinone-3.41.1a9.622 )    download & put here
                                        in ns3-2024

~/ns3-2024 $ tar xvfj ns-allinone-3.41.1a9.622

$ sudo apt update
$ sudo apt install g++ python3 cmake ....

$ cd ns-allinone-3.41

~/ns3-2024/ns-allinone-3.41 $ ./build.py --enable-examples --enab
                                                            - tests
```

---

**1st Program**

goto→ ns3-2024/ns-allinone-3.41/ns-3.41/examples/traffic-control/
      | traffic-control.cc
         copy these and paste in scratch

Paste here  ns3-2024/ns-allinone-3.41/ns-3.41/scratch

---

```
:~/ns3-2024/ns-allinone-3.41/ns-3.41/scratch $ gedit traffic-control.

    $ cd..

:~/ns3-2024/ns-allinone-3.41/ns-3.41 $ ./ns3 run scratch/
                                          traffic-control
```

## 2nd Program

copy that traffic-control.cc rename id as lab2.cc
and paste in scratch

~/ns3-2024/ns-allinone-3.41/ns-3.41 $ ./ns3 run scratch/lab2

---

## 3rd Program

copy from → ns3-2024/ns-allinone-3.41/ns-3.41/example/tutorial
/third.cc
and paste it in scratch

~/ns3-2024/ns-allinone-3.41/ns-3.41 $ ./ns3 run scratch/third

---

## 4th Program

copy from → ns3-2024/ns-allinone-3.41/ns-3.41/example/wireless
/wifi-simple-adhoc.cc

..... ns-3.4/ examples/wireless / wifi - multi - tos.cc
copy & paste in scratch

(no clang)

write theory
aggregated through: 46.1266 M bit/s

_____

(12) & (13)

⑤
+ 3
___
8

wireshark
⑤

socket - pro
②

(11)        examples/tcp/ tcp-variants-comparent.cc

351 → true

           3445 → see it

ns.341 file    8 files generate
       2nd & last file open

time    congestion window

0.0        0
0..0905368   3400

_____

(13)    365 → take from there & replace it in 345

        345 →        #TCPCUSIC

git clone https://github.com/jayanthk17/ACN-LAB.git

$ sudo bash
password

chmod 444 /media/
chmod 777 /media/