/create a file named prac1.tcl

```
set ns [new Simulator]
$ns color 1 Cyan
set nf [open prac1.nam w]
$ns namtrace-all $nf
set np [open prac1.tr w]
$ns trace-all $np
#Define a 'finish' procedure
proc finish {} {
    global ns nf np
    $ns flush-trace
    #Close the NAM trace file
    close $nf
    #Execute NAM on the trace file
exec nam prac1.nam &
    exit 0
}
```

set n0 [\$ns node]

set n1 [\$ns node]

set n2 [\$ns node]

set n3 [\$ns node]

\$ns duplex-link \$n0 \$n2 2Mb 10ms RED \$ns duplex-link \$n1 \$n2 2Mb 10ms RED \$ns duplex-link \$n2 \$n3 1.7Mb 20ms RED

\$ns queue-limit \$n2 \$n3 8

\$ns duplex-link-op \$n0 \$n2 orient left-up \$ns duplex-link-op \$n1 \$n2 orient left-down \$ns duplex-link-op \$n2 \$n3 orient left

\$ns duplex-link-op \$n2 \$n3 queuePos 1.5

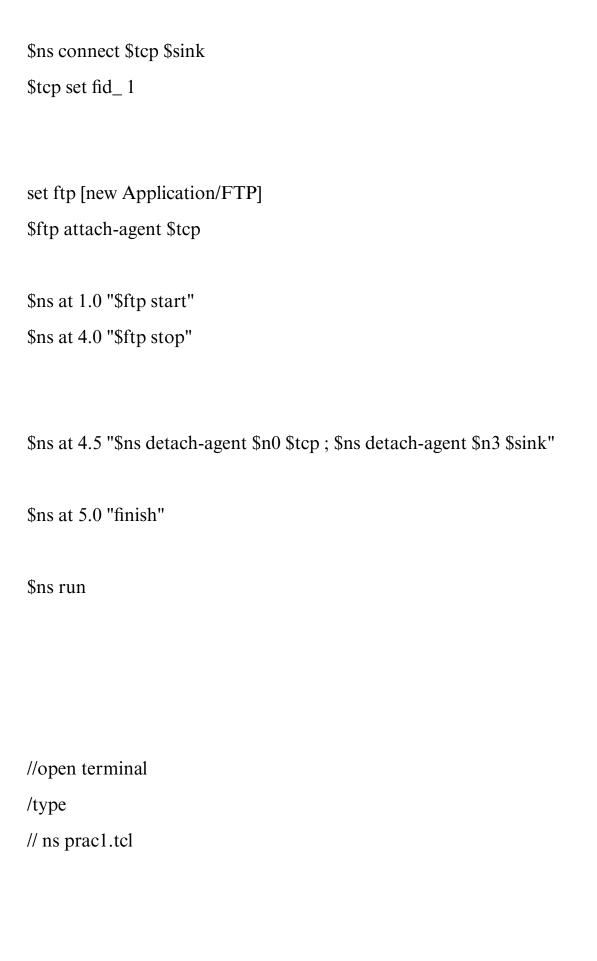
set tcp [new Agent/TCP]

\$tcp set class_ 2

\$ns attach-agent \$n0 \$tcp

set sink [new Agent/TCPSink]

\$ns attach-agent \$n3 \$sink



Output:

