```
set ns [new Simulator]
#Define different colors for data flows (for NAM)
Sns color 1 Blue
$ns color 2 Red
#Open the Trace files
set file1 [open out.tr w]
$ns trace-all $file1
#Open the NAM trace file
set file2 [open out.nam w]
$ns namtrace-all $file2
#Define a 'finish' procedure
proc finish {} {
    global ns file1 file2
    $ns flush-trace
    close $file1
    close $file2
   # exec ./nam out.nam &
    exit 0
#Create six nodes
set n0 [$ns node]
set n1 [$ns node]
set n2 [$ns node]
set n3 [$ns node]
set n4 [$ns node]
set n5 [$ns node]
$ns at 0.1 "$n1 label \"CBR\""
$ns at 1.0 "$n0 label \"FTP\""
#Create links between the nodes
$ns duplex-link $n0 $n2 2Mb 10ms DropTail
$ns duplex-link $n1 $n2 2Mb 10ms DropTail
$ns duplex-link $n2 $n3 0.3Mb 100ms DropTail
$ns duplex-link $n3 $n4 0.5Mb 40ms DropTail
$ns duplex-link $n3 $n5 0.5Mb 30ms DropTail
```

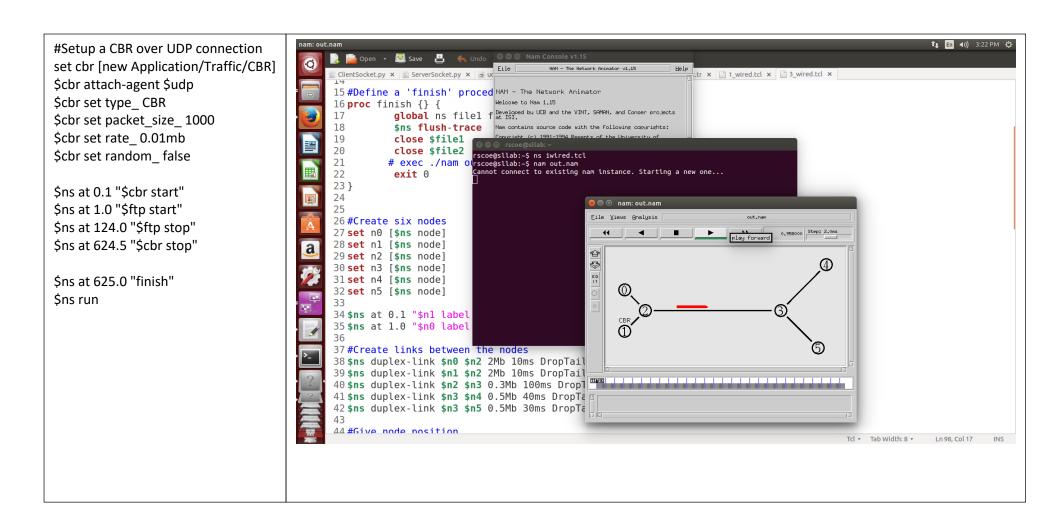
#Give node position
\$ns duplex-link-op \$n0 \$n2 orient right-down
\$ns duplex-link-op \$n1 \$n2 orient right-up
\$ns simplex-link-op \$n2 \$n3 orient right
\$ns simplex-link-op \$n3 \$n2 orient left
\$ns duplex-link-op \$n3 \$n4 orient right-up
\$ns duplex-link-op \$n3 \$n5 orient right-down

#Set Queue Size of link (n2-n3) to 10 \$ns queue-limit \$n2 \$n3 40

#Setup a TCP connection set tcp [new Agent/TCP] \$ns attach-agent \$n0 \$tcp set sink [new Agent/TCPSink] \$ns attach-agent \$n4 \$sink \$ns connect \$tcp \$sink \$tcp set fid\_ 1 \$tcp set window\_8000 \$tcp set packetSize\_552

#Setup a FTP over TCP connection
set ftp [new Application/FTP]
\$ftp attach-agent \$tcp
\$ftp set type\_ FTP

#Setup a UDP connection set udp [new Agent/UDP] \$ns attach-agent \$n1 \$udp set null [new Agent/Null] \$ns attach-agent \$n5 \$null \$ns connect \$udp \$null \$udp set fid\_ 2



**EXPERIMENT NO: 11 | NET SIMULATOR 2**