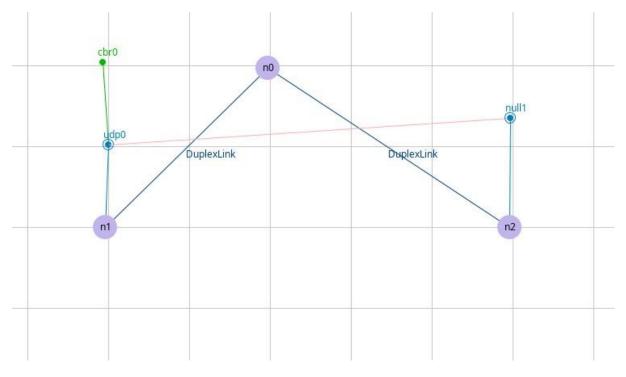
# CN DEMO LAB 4

Name	Keerthan P.V
SRN	PES2UG23CS272

Step1:-make access java -jarNSG2.1.jar

```
keerthan@keerthan-VMware-Virtual-Platform:~$ cd Downloads
keerthan@keerthan-VMware-Virtual-Platform:~/Downloads$ java -jar NSG2.1.jar java.awt.Color[r=238,g=238,b=238]
```

Step 2:- It will navaigate to jar file > scenario > new wired scenario



# **Components in the Diagram:**

#### 1. Insert Nodes

- Click on Edit Mode (the pencil icon).
- Select Add Node and click on the board to place nodes.
- Place three nodes n0, n1, and n2 like in the image.

# 2. Create Links (Connections)

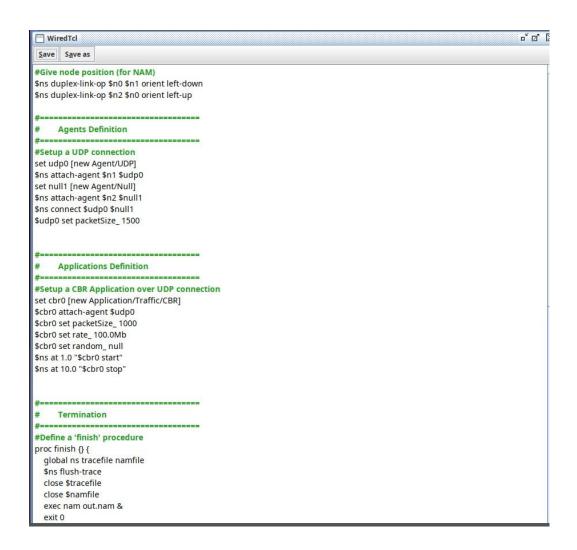
- · Select Add Link from the menu.
- Click n1 → n0 to create a link.
- Click n0 → n2 to create another link.

#### 3. Add Traffic Sources

- Right-click on n1, select Attach Agent → Choose UDP.
- Right-click on n2, select Attach Agent → Choose Null (sink).
- Attach a CBR (Constant Bit Rate) application to the UDP agent.

# 4. Save and Export

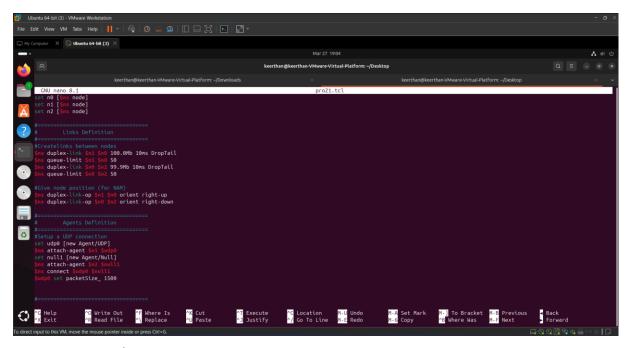
Click File → Save As and save it as pro21.tcl



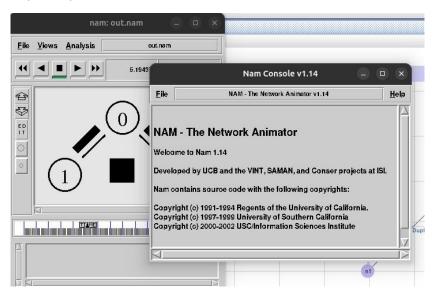
# Step 3 nano pro21.tcl

```
keerthan@keerthan-VMware-Virtual-Platform:~/Downloads$ cd ..
keerthan@keerthan-VMware-Virtual-Platform:~$ cd Desktop
keerthan@keerthan-VMware-Virtual-Platform:~/Desktop$ nano pro21.tcl
keerthan@keerthan-VMware-Virtual-Platform:~/Desktop$ S
```

# Step4:- change 100.0 to 99.9



Step 5 ns pro21.tcl

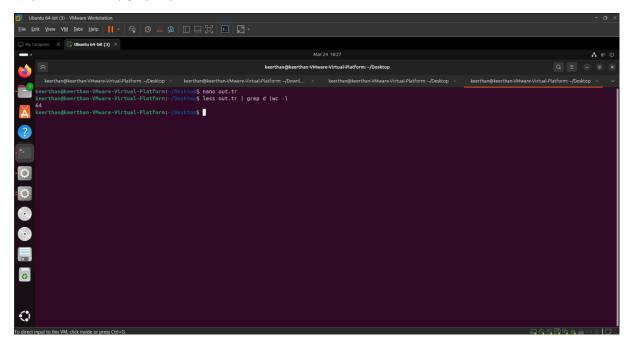


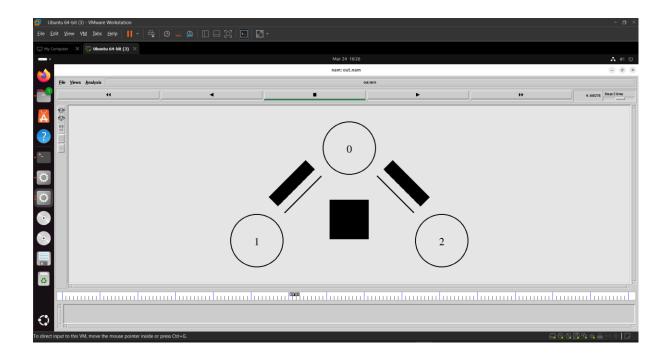
#### Output 1:-

#### Step 6 nano out.tr

```
GNU nano 8.1
                                     out.tr
+ 1 1 0 cbr 1000 ----- 0 1.0 2.0 0 0
 1 1 0 cbr 1000 ----- 0 1.0 2.0 0 0
 1.00008 1 0 cbr 1000 ----- 0 1.0 2.0 1 1
 1.00008 1 0 cbr 1000 ----- 0 1.0 2.0 1 1
 1.00016 1 0 cbr 1000 ----- 0 1.0 2.0 2 2
 1.00016 1 0 cbr 1000 ----- 0 1.0 2.0 2 2
 1.00024 1 0 cbr 1000 ----- 0 1.0 2.0 3 3
 1.00024 1 0 cbr 1000 ----- 0 1.0 2.0 3 3
 1.00032 1 0 cbr 1000 ----- 0 1.0 2.0 4 4
 1.00032 1 0 cbr 1000 ----- 0 1.0 2.0 4 4
 1.0004 1 0 cbr 1000 ----- 0 1.0 2.0 5 5
 1.0004 1 0 cbr 1000 ----- 0 1.0 2.0 5 5
 1.00048 1 0 cbr 1000 ----- 0 1.0 2.0 6 6
 1.00048 1 0 cbr 1000 ----- 0 1.0 2.0 6 6
 1.00056 1 0 cbr 1000 ----- 0 1.0 2.0 7 7
 1.00056 1 0 cbr 1000 ----- 0 1.0 2.0 7 7
 1.00064 1 0 cbr 1000 ----- 0 1.0 2.0 8 8
 1.00064 1 0 cbr 1000 ----- 0 1.0 2.0 8 8
 1.00072 1 0 cbr 1000 ----- 0 1.0 2.0 9 9
 1.00072 1 0 cbr 1000 ----- 0 1.0 2.0 9 9
                           [ Read 674942 lines ]
```

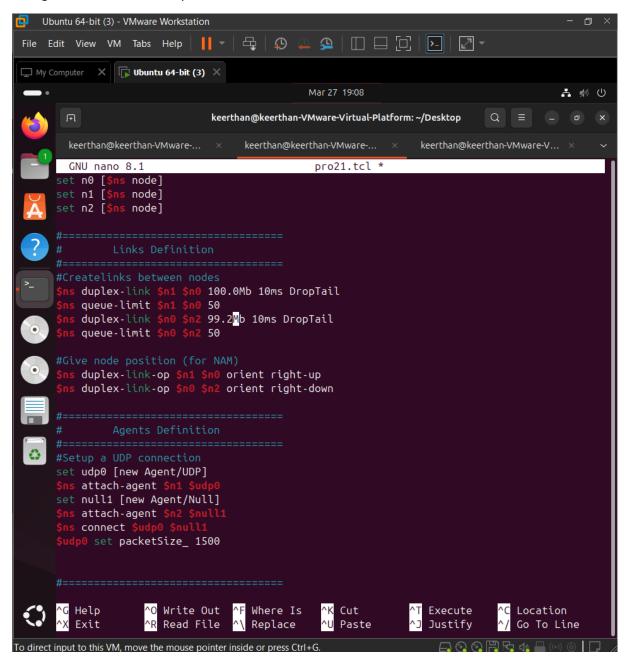
# Step 7 less out.tr | grep d | wc -l





# Output 2:-

Change 99.9 to 99.2 in nano pro21.tcl



#### **Output:**

