Assignment 01

Title:- Changing the color of node/data flow, shape of node and link type.

Code:-

```
#creating Simulator Object
set ns [new Simulator]

#Creating nodes
set n0 [$ns node]
set n1 [$ns node]
```

#This code Changes the shape and color
```
$n0 shape box
$n0 color green
$n1 shape hexagon
$n1 color blue
```

#this changes the color of the dataflow
```
$ns color 0 green

#Creating file handlers for trace files
set a [open out.tr w]
$ns namtrace-all $a

set b [open out.nam w]
$ns namtrace-all $b

#Creating agents
set tcp1 [new Agent/TCP]
set tcp2 [new Agent/TCPSink]

#attaching agents to the nodes
$ns attach-agent $n0 $tcp1
$ns attach-agent $n1 $tcp2
set ftp [new Application/FTP]

#connect the application object to the agent
$ftp attach-agent $tcp1

$ns connect $tcp1 $tcp2
```

#Changing the link to simplex
$ns simplex-link $n0 $n1 1Mb 10ms DropTail
$ns simplex-link $n1 $n0 2Mb 5ms DropTail

#Create application object

$ns at 0.2 "$ftp start"
$ns at 2.0 "$ftp stop"
$ns at 2.2 "finish"

#Defining the finish procedure
proc finish { } {
   global ns a b
   $ns flush-trace
   close $a
   close $b
   exec nam out.nam &
   exit
}

$ns run

O/P:-