

Lab program 1.1 -

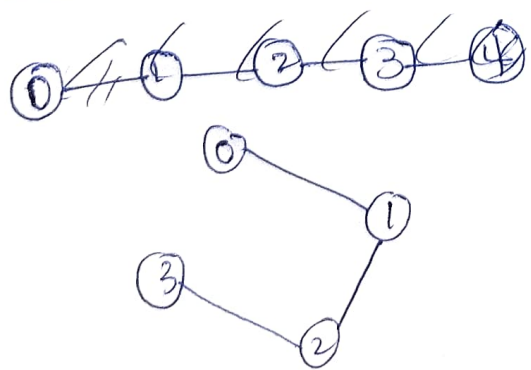
Bus topology :-

```
Set ns [new Simulator]
set f [open out.nam w]
$ns namtrace -all &f
proc finish { } {
    global ns f
    $ns namtrace -all &f
    close &f
    exec nam out.nam &
    exit 0
}
```

```
set no [$ns node]
set n1 [$ns node]
set n2 [$ns node]
set n3 [$ns node]
$ns duplex-link $no $n1 1mb 10ms DropTail
$ns duplex-link $n1 $n2 1mb 10ms DropTail
$ns duplex-link $n2 $n3 1mb 10ms DropTail
$ns at 5.0 "finish"
$ns run
```

O/P :-

1) Bus topology :-

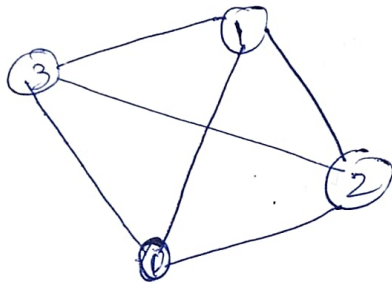


mesh topology

→ ~~for~~ continue after exit 0 }

set no [\$ns node]
 set n1 [\$ns node]
 set n2 [\$ns node]
 set n3 [\$ns node]

\$ns duplex-links	\$no	\$n1	1mb	10ms	Draptail
\$ns duplex-links	\$n1	\$n2	1mb	10ms	Draptail
\$ns duplex-links	\$n2	\$n3	1mb	10ms	Draptail
\$ns duplex-links	\$no	\$n2	1mb	10ms	Draptail
\$ns duplex-links	\$n1	\$n3	1mb	10ms	Draptail
\$ns duplex-links	\$no	\$n3	1mb	10ms	Draptail



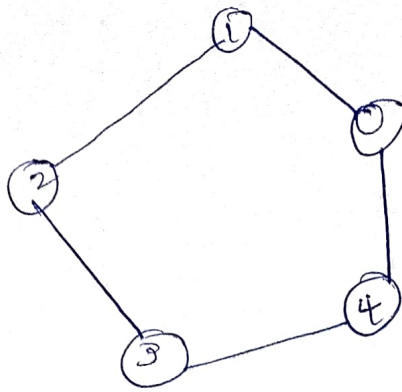
ring-topology

→ continue after exit 0 }

set no [\$ns node]
 set n1 [\$ns node]
 set n2 [\$ns node]
 set n3 [\$ns node]
 set n4 [\$ns node]

\$ns duplex-links	\$no	\$n1	1mb	10ms	Draptail
\$ns duplex-links	\$n1	\$n2	1mb	10ms	Draptail
\$ns duplex-links	\$n2	\$n3	1mb	10ms	Draptail
\$ns duplex-links	\$n3	\$n4	1mb	10ms	Draptail
\$ns duplex-links	\$n4	\$no	1mb	10ms	Draptail

5-12-23



Start! -

continue after exit 0
}

set no [\$ns node)
set n1 [\$ns node)
set n2 [\$ns node)
set n3 [\$ns node)
set n4 [\$ns node)
set n5 [\$ns node)
set n6 [\$ns node)
set n7 [\$ns node)
set n8 [\$ns node)

\$ns	duplex-link	\$no . \$n1	1mb	10ms	draptail
\$ns	duplex-link	\$no \$n2	1mb	10ms	draptail
\$ns	duplex-link	\$no \$n3	1mb	10ms	draptail
\$ns	duplex-link	\$no \$n4	1mb	10ms	draptail
\$ns	duplex-link	\$no \$n5	1mb	10ms	draptail
\$ns	duplex-link	\$no \$n6	1mb	10ms	draptail
\$ns	duplex-link	\$no \$n7	1mb	10ms	draptail
\$ns	duplex-link	\$no \$n8	1mb	10ms	draptail

