6. Implentation of Tree Topology

Aim :

To implement tree topology using packet tracer and to transmit data between devices.

Software Used : Packet Tracer/ End users, Hubs

Steps :

1. Start Packet Tracer
2. Choosing devices and connector
3. Building Topology - Adding Hosts
4. Connecting the Host to Hubs
5. Connect PC5 to Hub by choosing Connections
6. Building Tree Topology
7. Configure IP address and masks on Host

Result :

This program executed successfully.

7. Implementation of Hybrid Topology

Aim :

TO Implement Hybrid Topology and To transmit data between devices using packet Tracer.

Software Used : Packet Tracer / End users, Hubs.

Steps :

1. start packet tracer
2. choosing devices and connections.
3. Building the Topology : connecting Host.
4. Connecting the Host to The Hub.
5. connect PC5 to Hubs by first choosing connections
6. Configure IP address

Result :

Hence, the output is verified

8. Data Link Layer Traffic simulation using Packet tracer.

Aim :

To implement data link layer traffic simulation using packet tracer

Software used : Packet tracer / End devices switches, Hubs

Steps :

1. Open packet tracer
2. Click on the list the available capture.
3. choose the PCS, servers, and Hub.
4. Later give connection from hub to remaining PC
5. Give IP addren to pc.
6. Give the simulation

Result :

Thus the program is executed.

9. Data Link Layer Traffic simulation using Packet Tracer Using CSMA/CD

Aim :

to implement data link layer using Traffic simulation and to transmit data using CSMA/CD.

Software Used : Packet Tracer / End devices

switches, connectors, Hub.

steps :

1. click on end devices
2. Select the straight through cables
3. Now set the IP address
4. To view IP address, gives ip Configure.
5. Now display the packet transmission -

Result :

Thus the program executed successfully.

10. Making computer Lab in Cisco packet Tracer.

Aim :

To make computer lab in cisco packet Tracer.

Software : Packet Tracer, end devices

Steps :

1. Launch cisco packet.
2. Select new project
3. Select appropriate network devices,
4. Drag and Drop switch on workspace
5. Connect computers to switches
6. Repeat step.
7. Execute.

Result :

Thus program verified.