AIM:-

Setup and configure a LAN using a switch and Ethernet cables in your lab.

what is a LAN?

A LAN refers to network that connects devices within limited area - office, school or home. It enables users to share resources - data, printers and internet access.

How to set up a LAN.

step 1:

Plan and design an appropriate network topology taking into account network regr.

step 2:-

Take 4 computers, a switch with 8, 16 or 24 ports and 4 ethernet cables.

step 3:
Connect the computers to network switch via an ethernet cable.

step 4:
Assign IP addresses to the PCs.
1. client computer - Admin / owner.
2. LAN / Ethernet → Properties → Internet Protocol → Properties → Assign IP
3. Network and Internet connection

step 5:-
Configure network switch.

step 6:
check the connectivity between switch and other machine by using ping command.

O/P in CISCO PACKET TRALER :-

Result:-
Thers the above experiment is completed
successfully