EXP NO: 6. ALLENDA MIMOA

pate: 15.8.25 bonnedal Lup grouns 15

AIM: setup and configure on LAN using a switch and Ethernet cables in your lab what Ps a LAN?

A LAN vujers to network that connects devices within a lemeted area - office, school or home. It enables users to share resources - data, printers and internet access. A LAN switch serves as the primary connecting device, managing and directing communications within the local network.

How to set up a LAN

step 1:

Plan and besign an appropriete network topology taking into account network siegn.

step a:

Take 4 computers, a switch with 8, 16 or. 24 posts and 4 etherent cables

Step 3:

switch via an Ethernet cable

Step 4:

Assign IP addresses to the PCs.

- 1. eltent computer Admin /owner
  - 2. Network and Internet connections
- 3. LAN / Ethernet -> Properties -> Internet Priotocol > Prioperilles > Assign IP

Stara of the

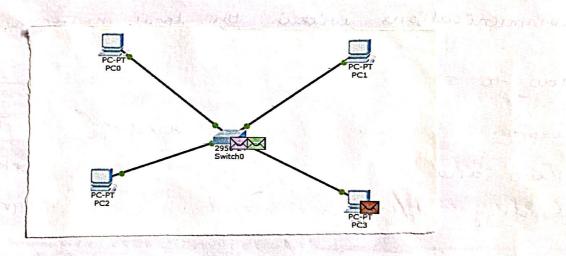
## Step 5:

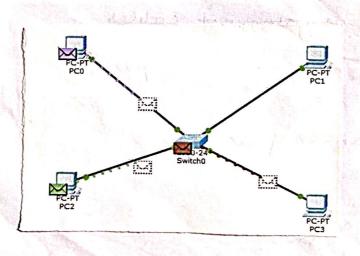
configure network switch

## step b:

theck the connectivity between switch and other machine by using pring command sources of distar pullyers and internal occ

## Output & CISCO PACKET TRACER it have been decrease assert the for the seem





P1+ 500 A small of many of a stock that was a server have been another toget in 2. source wasty > 1 manuacton = 1 from with do regard order of coment where upones ... posit + di 126 100 done jul 122 . -Buceaut - Buffer Hxt a the contract Ack -> served treat windows the of MACK -> suched iams would is the regulations must would show the towned to THE FROME EVENTER EVENT AVENT AND THE to presser Buffer, til. st. 18/12-1901 as NYCK as LOLLS 4. . E the property watch with prairies and market pllyonous LAN connecteon setup was

RESULT:

done using switch and Ethernet cables and simulated the same in cisco PAKKET