28825 PRACTICAL-4

Aim: 8 betup and configure a LAN using a switch and Ethernet cable in your lab.

E tid to rom

What is LAN?

A LAN refers to a network that connects devices to a limited area such as office building, 8 chool or home. It enables users to share resources, including data, printers and int access. LAN connects devices to promote collaborations and transfer information between users, such as computers, printer, servers and switches.

How to steep setup LAN?

Step 1: Plan and design an appropriate network topology taking into account network requirements and equipment location.

Step2: you can take a computers, a switch with 8,6 or 24 parts, which is sulf. for these sizes and 4 Eth cuble.

Step 3: Connect your computers to network switch via ean Eth couble, which is as simple as plugging one end of the Eth couble into your computer.

Step 4: Assign, DP address to your per

- 1. Log on to the client comp as Admin
- 2. Click Network and Internet connection
- 3. Right clicle Local Area Connect -> fio to properties

Select Internet Protocal -> click on properties

Belect use the following ip address option and
assign ip address.

Similarly assign IP address to all the Pes connected to switch.

PCI - PP address: 10. 1.1.1, submet maste: 255.0.0.0

PC 2 - PP address: 10: 1.1.2, subnet maste 255.0.0.0

PC 3 - PP address w. 1.1.3, subnet maste 2.55.0.00

PC 4 - PP address w. 1.1.4, subnet maste 255.0.00

8tep 5: configure a network switch

- 1. Connect your computer to the switch: To access the 8 witch's web interface, you will need to connect your computer.
- 2. Log in to the web interface. Open a web browser and enter the DP address of the switch in the address bar This should bring up the liegin page for the switch's web interface
- 3. Configure basie settings! Once you logged in, you will be able to configure bourie settings for the ewitch.

4. Assign De address as 10.1.1.5, subnet net maske 255.0.0.0

steps: check the connectivity between switch and other machine by using ping command in the command prompt of the device.

Step 7 Select a folder > 90 to properties > click sharn tab > share it with everyone on the same LAN steps: Try to access the shared tolder from other computers of the network ditions of helper non Pp address: 10: 1.1.1 subnet water 295 0.0 The organist to 1.1.5; Empiret mark one of The address to 1.13, Eubrak made est 5 cos The aggran in 1:1 At boney waste to see stop & configure a network puriter 1. Connect your computer to the shalled To accom switch supplied wherefore you will read to consule 2 Log in to the web wherface. Open a cock brown and enter the EP address of the synteh in the address par this should bring up the light go of return decu s' dotions with to a boughque bout chings: Once you length a all to configure boats satisfied of alder of the April 200 Judies 2.1.100 do avible 20 uply Result! Thus LAN network was setup successfully in the LAB.