5/8/24

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## Aim:

Setyo & configure a local Alea Network using a switch & ethernet cables in you lab.

## What is LAN:

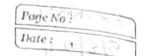
A local Areac Network Refers to a Network that Conne to devices within a limited area, Such as an office building, School or home. It smalles wher to thate resources, including data, pointers sinternet accepts. I LAN Connect devices to promote Collaboration & thansfer information between user such as printexe, servers shwitches. A local area network (LAN devices, managing and directing Communication within the local reduction.

## How to Sot up a LAN:

Step 1:- Plan and Dasign an appropriate retwork topology takings into accume the retwork lequirement and equipment location.

Step 2: Youran take 4 computers, a Switches with 8, 16 or 24 parts which is Rufffalent for network of these sizes.

Slep 3:- Connect your computers to networks Switches Via an Ethernet cable which is an simple as plugging one end of the Ethernet Cable into your computer.



Step 4: Assign IP address to your Ro

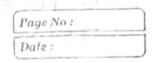
- I Log on the the client Computer go Administerator or as owner.
- 2) Click network and Internet connection
- 3) Right click Local Alea Connectox Etherret -> Go toporties -> select Internet Postocol (TCP/IDV4)-J Click on proterties.

Steps: - Configure another & Switch

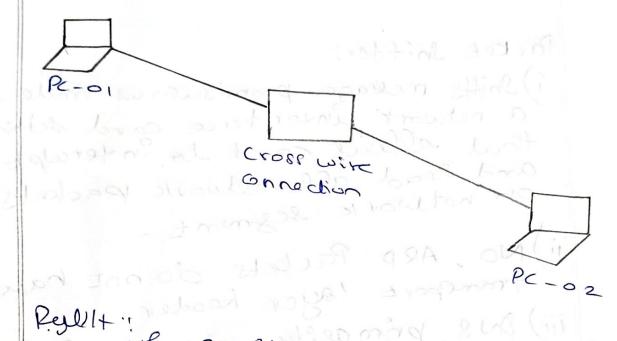
- 1) Connect your Computer to the Switch To access the Switch's web interface You will need to connect your Ethernet Cable. Purteh using an
- 2) Login in to the wea intertace dem a tieb browser and enter the IP address of the switch in the address ba
  - 3) Configure basic setting: Once yourse logged in , you will be able to Configure basic settings for the switer
  - 4) Asign IP address as: 10.1.1.5 Julset mark 255.0-0-0

Hop6: - Check the connectivity between Switch and other machine by wing bing Command in the command prompt of the device

Mep 7: Select a folder -> go to properties click shaving tab > Share it with everyone on the Same LAN



Step-8: Try to access the shored folder from other computers of the returns of



Reglit!
The equipment was successfully
et ented is of pie verited.

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Thus, the server men for our

to the many that is entered that on it

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