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1)	13.7.24	Study of various networking commands used in windows, linux		N. 8
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3)	31.7.24	Study of different types of Network cables. Study the packet tracer tool installation and user Interface		V3112 8
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4)	5-8-24	Setup and configure LAN (Local Area Network) using a switch		elgh-un
		and othernet cables in your lab) () ()
5)	5-8-24	Study the experiments on		5/8/24
		Packet Capture tool: wireshour		
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Date: 5.8.24

Arm: Setup and configure a 1th (local area network)
using a sowitch and ethernet Cables in your lab.
what is LAW?

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A Local area Network (LAN) refus to a network that Connects device wimin a limited area, such as an office building, school or home. It enables uses to share resources, including data, pointers and internet access. LAN count of devices to promote collaboration and transfer information between wars such as computers, Printers, servers and switchs. Each directed connected device on a LAN switch lan communicate directly with lack other, allowing for fax and secure data transfer.

How to setup a LAN.

step 1: plan and design an appropriate network oppology taking into account network requirements and equipment location.

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Step 2: you can take 4 computers, a switch with 8,16 or 24 posts within is sufficient for networks of these sizes and 4 ethernet cables.

Step 3. Connect your Computers to network Switch via an ethernet cable, which is Simple as plugging Obe end of the ethernet Cable into your Computer and the other end into your network swita

Step 4: Assign Ip address to your Pcs

- 1. Log on to the client Computer as Administrator or as owner.
 - 2. Click Notwork and internet connections
- 3. Right click would Area Connection / Ethernet -> Go do Properties -> Select Interet Protocol (TCP (Ipv4) -> click

on properties -> Select use the following ip address option and overign ip address

step 5: configure a networn switch:

I. Connect Your Computer to the Switch: To accept
the Dwitch's web interface, you win need to come
your computer to the dwitch using on Ethernet
cobb.

2. Long into the web interface: Open a web brows and enter the ip address of the Switch in the address bar. This should bring up the login Page for the suitch's web interface. Enter username and possword to login.

3. Configure basic settings: once you're logged in low win be able to configure basic sellings that he suitch

4. Assign Ip address \$5: 10.1.1.5, Subnet mag

Step 6: Check the connectivity between switch and other machine by using ping command in the Command prompt of the device

Step 7: Select a folder -) go to properties s with Sharing tab -> share it with severyone on the Sam LAN.

Step 8: Try to access the showed folder from others computers of the network.

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