06/08/29 PRACTICAL-4 SETUP AND CONFIGURE A LAN. Setup and configure as LAN Clocal Area Network) using a switch and Etherenet Cables in your lab. What is a LAND A Local Asea Network CLAN) refers to a network that connects devices within a limited area, such as an office building, school or home. It enables users to share resources, including data, posinters, and interent access. IAN connects devices to promote collaboration and transfer information between users, such as computers, printers, servers, and switches. A local wea notwork (LAN) switch serves as the pearmary connecting device, managing and directing communications within the work network. Each connected device on a LAN switch can communicate directly with each other, allowing for fast and secure data transfer How to set up a LAN: 1) Plan and design an appropriate network topology taking into account network orequirements and equipment docation.

- 2) You can take 4 computers, a swiftin with 16 or 24 ports which is sufficient for networks for these sizes, and 9 Ethernet cables.
- 3) connect your computers to network swety via an Ethernet cable, which is as simple as plugging one end of the Ethernet lable into your computer and the other end into your network switch.
- 4) Assign IP address to your PCS
 1) Log on to the client computer as
 Administrator or as Owner
- ii) click network and Internet connection iii) Right click Local Area nonnection)
 Ethernet -> Go to Properties -> Select Internet Protocol (TCP ITPV4) -> click on properties -> Select internet Assign ip address option and assign ip address.

i) connect to your computer to the switch.

To acess the switch's web interface, you will

need to connect your computer to the switch

using an Ethernet lable

ii) log in to the web interface: Openaweb browsen and enter the IP address of the switch in the address born. This should bring up the login page for the switche's web interface Enter the usernames password to log in.

ĉth	
8 4	iii) Configure basic settings: Once you're logged in, you will be able to configure basic settings for the switch. iv) Assign IP address as: 10.1.1.5, subnet mask 255.0.0.0.
2	6) Check the connectivity between switch and the other machine by using ping command in the command prompt of the device
	7) Select a folder > go to properties -> cleck Shaving tab -> shave it with everyone on the Same LAN.
ns.	8) Try to access the shared tolder from others worn puters of the network.
1)	Actual steps: open cmd, spoonfig: see the IPvq address in the Ethernet Adapter Ethernet.
2)	open run, open: 11 Elpv4 address of a receiver figer open: 11 10.1.1.2
h 3)	After opening go to the users' select REC, (10 to desttop (downloads) document (wherever you want).
(A)	Pasto the file you want to share
5)	then check the seeceiver PC on the scespective directory that you proviously selected to verify the file you sent.

