LAB -1

define to howing

- we use cisco parmet traces student

. LAN, WAN, Ethunot, IP Adrew, Huh, Switch, Server

end device, Noder

app.

LAW.

1. LAN: A local area network is a computed network which

intuconnects computed with a limited onea such as

a residence, echool or an office building

2. WAN: Wide area network is a trecommunication network

that extends one a large geographical and eg down

J. Ethernet: is a family of wired computes networking technologies

commonly used in local and network, metropolitan area network & wide area network standardized in 1913 by

IEEE "04 802.7

4. IP-Addrew: IP adven is a unique address that identified

a device on the intunet or the local notwork. IP stands

for "intunet protocol" which are the set of rules

gowining the format of data sent via the internet or

- They are identifien that allow into to be sent blue deven over a network. They have roation into that make

devices accisible too communication

5. Hub: is a physical layer nerworking device which is used

to connect many devices in a network, it has many

books in it. I compute instruct to po in waterook, it

is prugged into one of these herbs

when a cholotrame assists of the	0861 14 11 150
to every ones port is superfice	of weeks in
E. a particular destination	
destined for a particular destination	28 206.
c. Switcher: A switch is a dotation by	er settlessind deciti
which counsely devices in a metanth	so well boint
switching to send is recicus data	ones the network
7- Same : A server is a computa pro	
that provides a requerce to another	
and ID was also known on	deinl
end devices: They are either the source of	
data transmitted over the netwo	ru
. Node " a node is any physical dev	ice within a network
of other took was able to sent	receive or config
information.	
eg: Pc, modom, soiti switcher	, hubs, servels
pointers to other devices conne	
intenct will or ethernet-	
	/
7	
First NOTWOOLK	
/ / /	
1111	
Pe-PT cleint	Server - PT
10-1010-0.1	mep sam
	10.0.0.2
10-1010-0-7	

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	lightning icon which is connections	
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- three ways to access to been, that is to hower moup, secret is then on it to bear toom contig window and third to use inspect tool and circu on pe & check cop toble is empty - spe click on to, in the config tab, set dns & 17 adrew on 10.0.0.1 & 10.0.0.2 for deint to benue respectively you can also configure int the destrop tob ensure that post status is executed. open save config, set name, ip and click add curing dus 12 00. Add description wing 10 button. - some click on filed background of save the file at command brombs outbas * Positive Ping (existing) te > Ping 10.0.0.1. Pinging 10.0.0.1 with 32 byter of date: reply from 10-0.0.1: bythe = 82 time = 0 mg trl = 120 reply team 10.0.0.1; byty = 32 time = 5ms ttl = 120 reply from 10.0.0.1 : bytes = 32 home = 4m TTL = 120 reply from 10.0.0.1; bytes = 32. three = 5 ms TTL = 120 Ding ste Hitistic tos 10.0.0.1 Town: sent = u , received = 4, lost = 0 (or loss), Approximate round to ip times in willi - seconds! minimom = 0 ml, Moximum = Thy, Average = 3 ks

	we pinging (not existing.
	Tr > Ping 10.0.0.7
	Pinging 10.0.0.3 with 32 bytes of data:
	lequest timed out.
	Request Homed out.
	request times out.
	Request time & out.
	Fing statistics too 10.0.0.1!
./	Pachett: sent = 4, received =0, lost = 4 (1004, loss),
N	
a/b	23