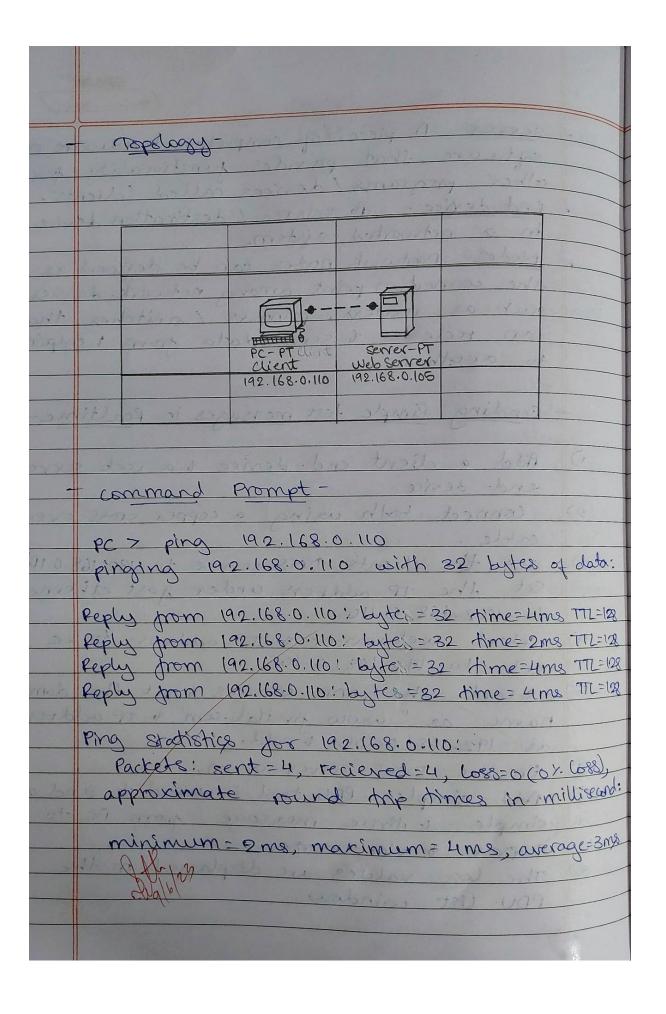
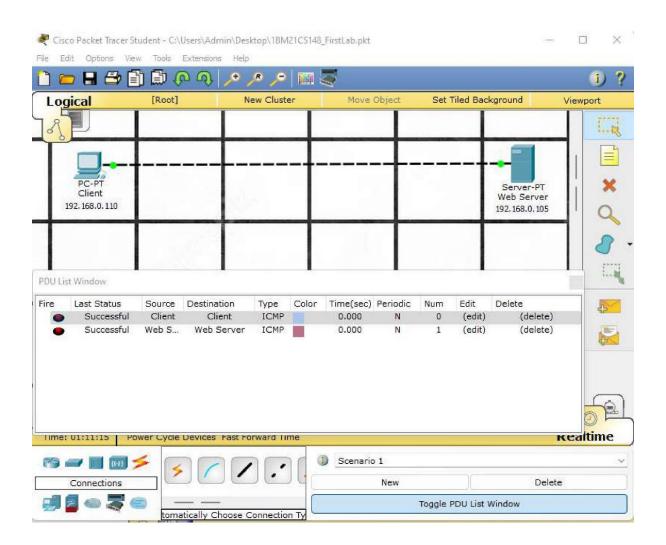
## WEEK 1- Introduction

	WEEK-1
9/6/22	IAN, WAN, Ethernet, IP Address, Mub, Switch
10123	server, End device, Nodes.
	activate, cross section,
	IAN- A Cocal area network (IAN) is a collection
	of devices connected together in physical
	Londier, such as building, office / home A
	LAN can be small or large, ranging from
	a home network with thousands of users
	+ devices in an office or school.
	WAN- wide area network (WAN) is a
	computer network that connects smaller
	petnorts. Since wans are not tied to a
	specific location, they allow localized
	networks to communicate with one another
	across great distances.
	Ethernet- Traditional technology for correcting
	devices in a wired local network CLANS of
	(WAN) wide area network. It enables devices
	to communicate with each other via protocol,
	which is a set of rules (common network
	language.
-	IP Address Is a unique numerical identifier
	for every device / network that cornects the internet.
	of the internet.
+	Hub- to a physical layer networking
	device which is used to connect multiple
	derices in a network. Generally used in LAN.
+	Switch - A network switch connects devices
	in a redwork to each other, enabling them
	to communicates by exchanging data packets.



server- A piece of computer hardware or software that provides punctionality for other programs / devices called 'clients End device - A source / destination device in a networked system. Modes- Network nodes can be defined as the connection point among network devices such as routers, printers / switches that can recieve & send data from I endpoint to another. - sending simple test mensages in feathine-1) Add a dient end-derice & a web server end-derice. James harmon connect both using a copper cross-over set the client's DNS gener to 192.168.0.105. Set the IP address under jost ethernet to 1912.168.0.110.011.0.901.011 care H) select webserver & IP address to be set to 192.168.0.1051, 101 8 select the DIVS gerrices & set the domain name as " www. firstlab.com" & TP address as 192.168:0.105 & add. 1) Ensure DNS server 18 on. 1) Add simple PDU tool is used to send a simple 1-time message from PC to server & vice-versa The log values are displayed on the PDU UST window.





## **Command Prompt**

```
X
```

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.0.110
Pinging 192.168.0.110 with 32 bytes of data:
Reply from 192.168.0.110: bytes=32 time=0ms TTL=128
Reply from 192.168.0.110: bytes=32 time=4ms TTL=128
Reply from 192.168.0.110: bytes=32 time=2ms TTL=128
Reply from 192.168.0.110: bytes=32 time=0ms TTL=128
Ping statistics for 192.168.0.110:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = 4ms, Average = 1ms
PC>ping 192.168.0.1
Pinging 192.168.0.1 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
PC>
```