

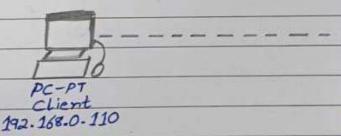
## Definions

- O LAN Local Area Network (LAN) is a collection of devices connected together in a physical location, such as a building, office etc.
- @WAN Wide Area Network (WAN) is a large network of information not tied to one location. WANS facilitate communication & sharing of information between devices from around the world.
- 3 Ethernet- it is the technology for commecting devices in a wired local area network or Wide Area Network. Enables devices to communicate with each other.
- @ IP Address it is accumique address that identifies a device on the internet or local network. Stands for Internet Protocol.
- @ Hub it is a physical layer networking deince used to connect multiple deinces in a network. Generally connect computers in a LAN.
- Switch it is a data link layer networking device which connects devices in a network & uses packet switching to send & receive data over the network.
- 3 Server- it is a computer program/deicce that provides functionality for clients. This architecture is called client-server model.

Date	C
8 End Device - a source or destination device in a networked system is called an end-device.	
9 Node - a node is the connection point among network devices such as nouters, printers or switches that can receive & send data from one end point	
to the other	1
Abovement - It is the distance too converting  tourise in a wind local and part of the converting  that who hat to be finable dictor to converte	
dance and the internal as locale noticeab.	
Steb- it is a theriest layer withouting this	
and the south there is no notice to be in the south in south to south the south the south the south to south the south to south the sout	
Example of it is an pole present their that is a function that is a function of the contract o	

Date Page WEEK-1 STEPS TO SEND A SIMPLE TEXT MESSAGES 1) Add a client end-deixce & a web somer and-device.

(2) Connect both using a Copper Cross-over able
(3) Set the client's DNS server to 192.168.0.105. Set the IP Address Winder the Fast Etherenet to 192.168.0.110. 9 Select the Web Sower & IP address is to be set to 192.168.0.105. @ select the DNS services & set the domain name as "www.firstlab.com" & IPaddress as 192.168.0.105 & add. 6 Ensure DNS service is ON. (3) Add Simple PDU torol is used to send a simple one-time message to the server & viece-verse (8) The log values are displayed in the PDU List Window



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 = 4ms TTL=128

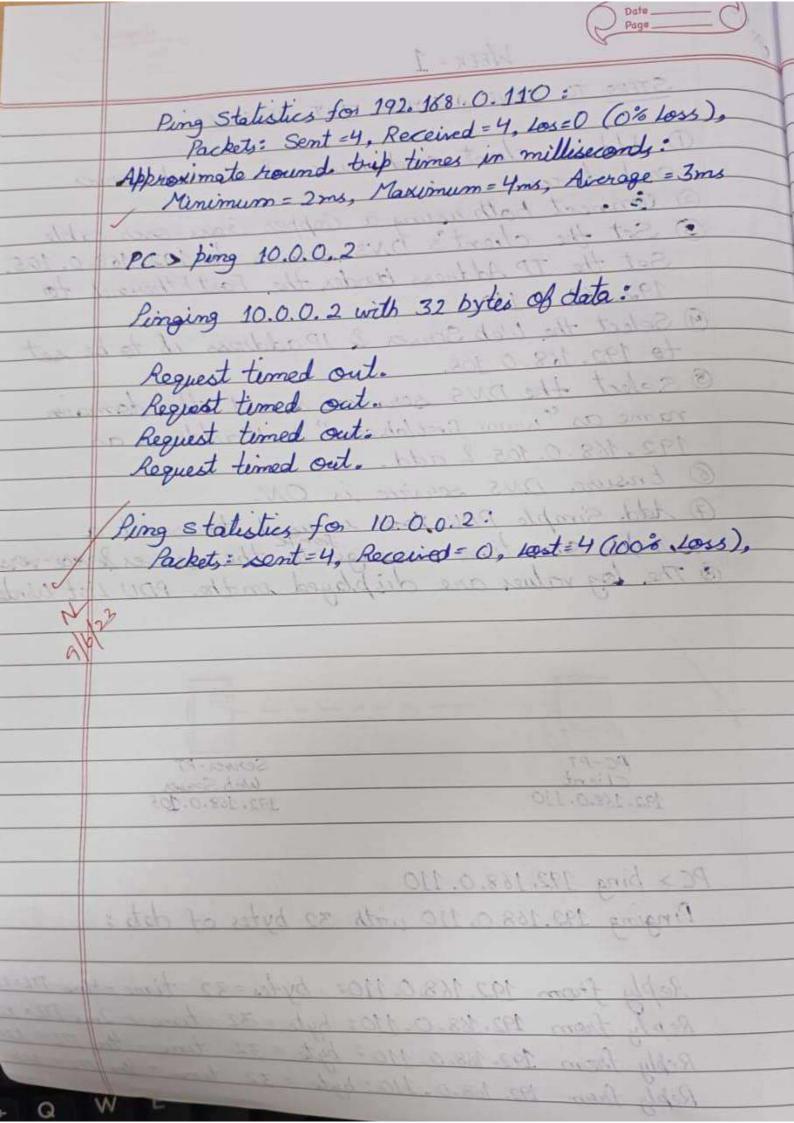
Reply from 192.168.0.110: byte = 32 time = 2ms TTL=128

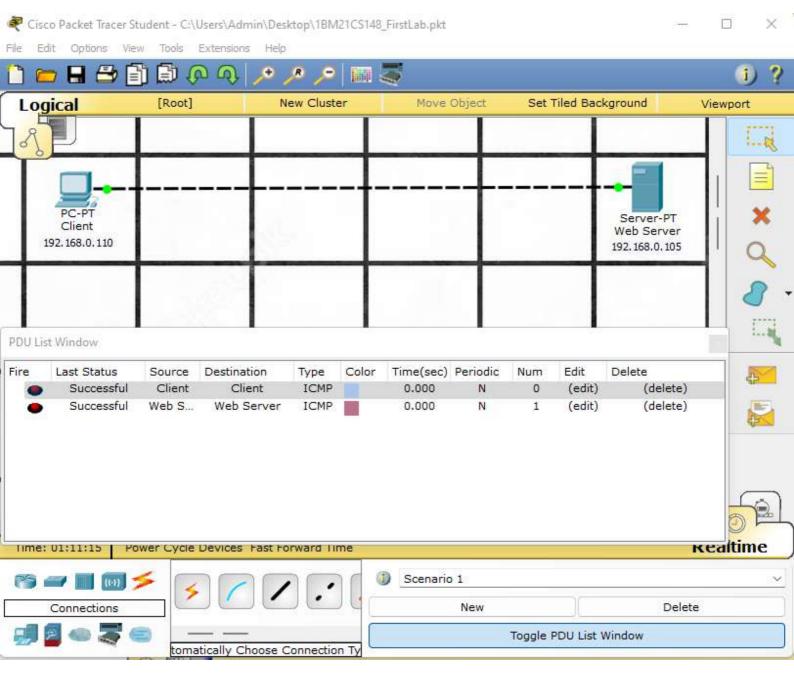
Reply from 192.168.0.110: byte = 32 time = 4ms TTL = 128

Reply from 192.168.0.110: byte = 32 time = 4ms TTL = 128

Server-PT

Web Sower 192.168.0.105





```
Х
```

```
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 = 0ms, 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>
```