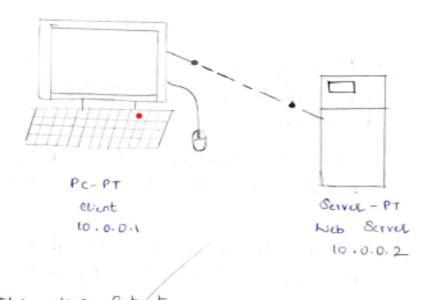
- LAN: A series of computers linked together to form a network in a circumscribed location.
- WAN: A computer network that connects smaller networks that is not teed to a single location.
- Ethernet: A system for connecting no of computers
 systems to form a LAN with protocols
 to control the passing of information between
 systems
- IP Addrew: A unique string of characters that identify each computer using the intermet protocol to communicate over a network
 - Herb: Is a node that broadcests date to every computer or ethernet based device that is connected to it.
 - Switch: St connecte devices in a network to each other enabling than to talk by exchanging date pockets.
 - Server: 9t in a computer program or device that provides a service to another computer program in its user known as client
 - End device: Are either the source or destimation of data transmitted over the network.
 - NODE: The connection point among network derice such as routers a pointers or switches that can receive & sund data from one end point to conther:

Packet Tracker:

- D Add Pc and Berrel from end devices
- 2) Connect them with copper cross over.
- 3) Set PC Ethernet IP address as 10.0.01 and DWG Server Address or 10.0.0.2
- o) Set Servel Ethernet IP address as 10.0.0.2
- 5) Sirvian -> DNS -> name: WNW. first.com
 -Address: 10.0.0.2
 -Add



Observation Output .

) clade on Pc in real time - derktop

Command:

ping 10.0.0.2

Penging 10.0.0.2 with 32 byter of date

Reply from 10.0.0.2: byta = 32 time = 0ms TIL: 108

Reply from 10.0.0.2: byter=32 time = 0ms TTL=128

Reply from 10.0.0.2: byter=32 time=0ms TTL=128

Reply from 10.0.0.2: byter=32 time=0ms TTL=128

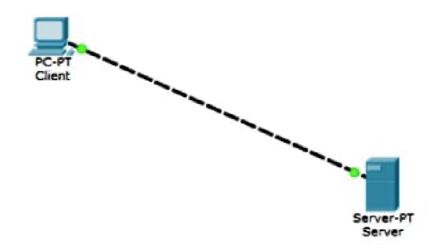
Ping statistics for 10.0.0.2: packets: Sent=4,

Recieved=4, lost=0 (0% Loss)

Approximate round trip times in milliseconds:

minimum=0ms, traximum=0ms, Average=0ms

TOPOLOGY:



OUTPUT:

```
Packet Tracer PC Command Line 1.0
PC>
Packet Tracer PC Command Line 1.0
PC>
Packet Tracer PC Command Line 1.0
PC>
Packet Tracer PC Command Line 1.0
PC>ping 192.168.0.105

Pinging 192.168.0.105 with 32 bytes of data:

Reply from 192.168.0.105: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.0.105:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>
```