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Q1)

Problem statement :- There is an organization A with multiple departmet. Design a network for the HR department & the size of the department is 10 users. Also show the communication b/w user number 1 & user number 5 of the network

Objective :- To understand how the configure the IP address dynamically & how two pc can communicate

Description: DHCP :- The Dynamic Host configuration protocol is a network management protocol use the Internet protocol network for automatically assigning IP address & other other communication parameter to device connected to the network using a client-server architecture.

Server :- A Server is a computer or system that provides resources, data, services or program to ~~other pro~~ known as client, over a network.

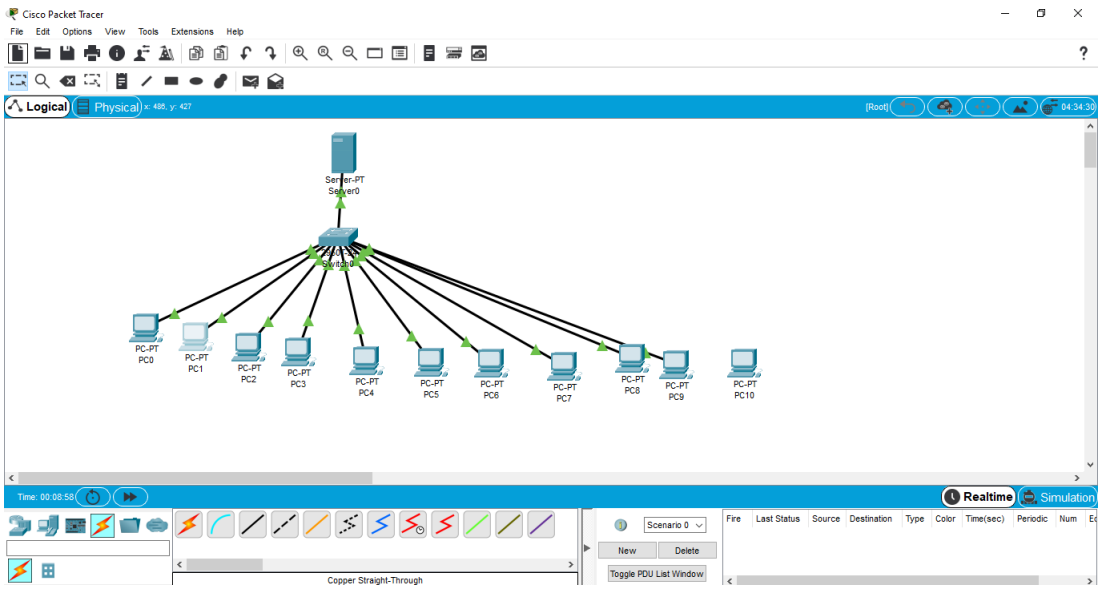
Balodi

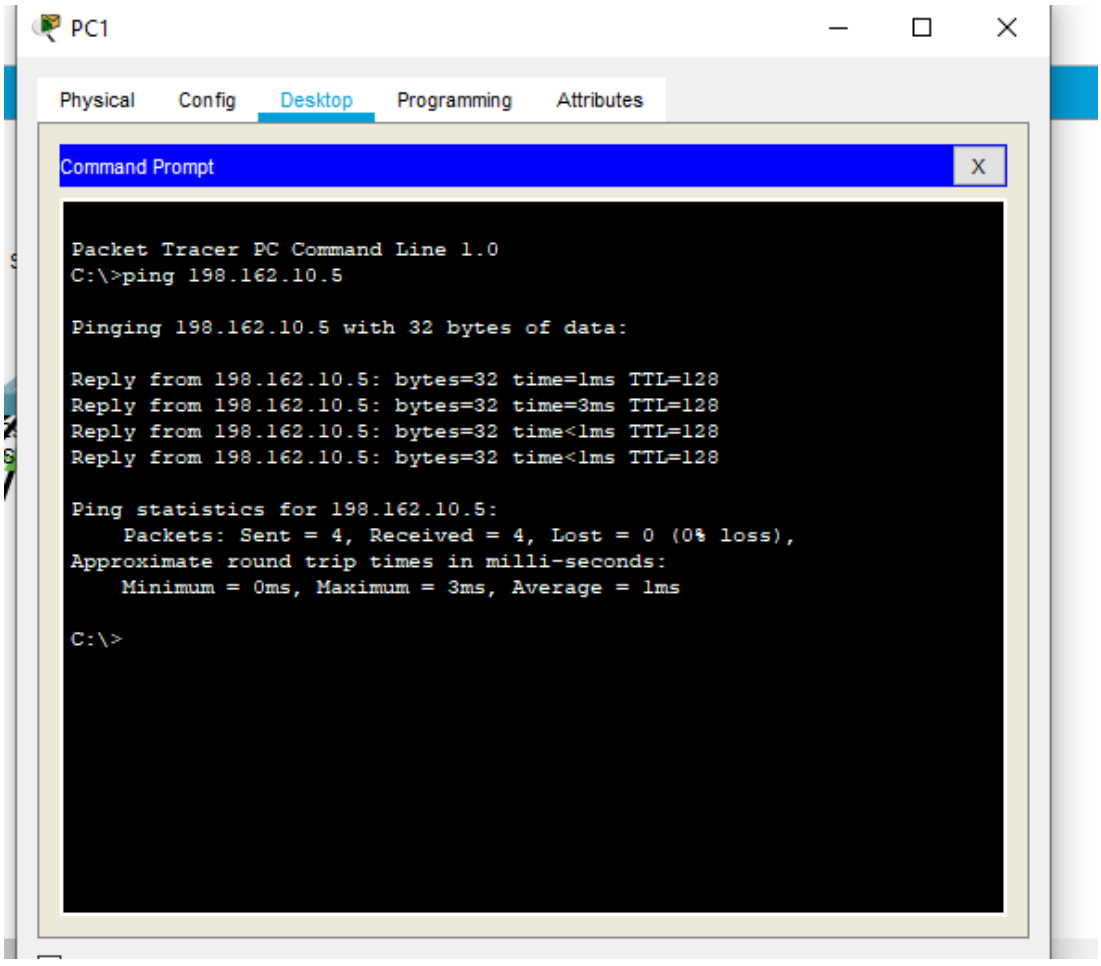
Step 1:- Take the 10 pc, one switch & web server

Step 2:- config the setting of Server

Step 3:- It's assign the IP dynamically to the nodes.

Step 4:- using command promot use ping command to communicate the pc b/w 1 & 5.


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Server-PT Server0
Switch0
PC-PT PC0
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC4
PC-PT PC5
PC-PT PC6
PC-PT PC7
PC-PT PC8
PC-PT PC9
PC-PT PC10
Realtime
Simulation
Copper Straight-Through


PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 198.162.10.5
Pinging 198.162.10.5 with 32 bytes of data:
Reply from 198.162.10.5: bytes=32 time=1ms TTL=128
Reply from 198.162.10.5: bytes=32 time=3ms TTL=128
Reply from 198.162.10.5: bytes=32 time<1ms TTL=128
Reply from 198.162.10.5: bytes=32 time<1ms TTL=128
Ping statistics for 198.162.10.5:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 3ms, Average = 1ms
C:\>