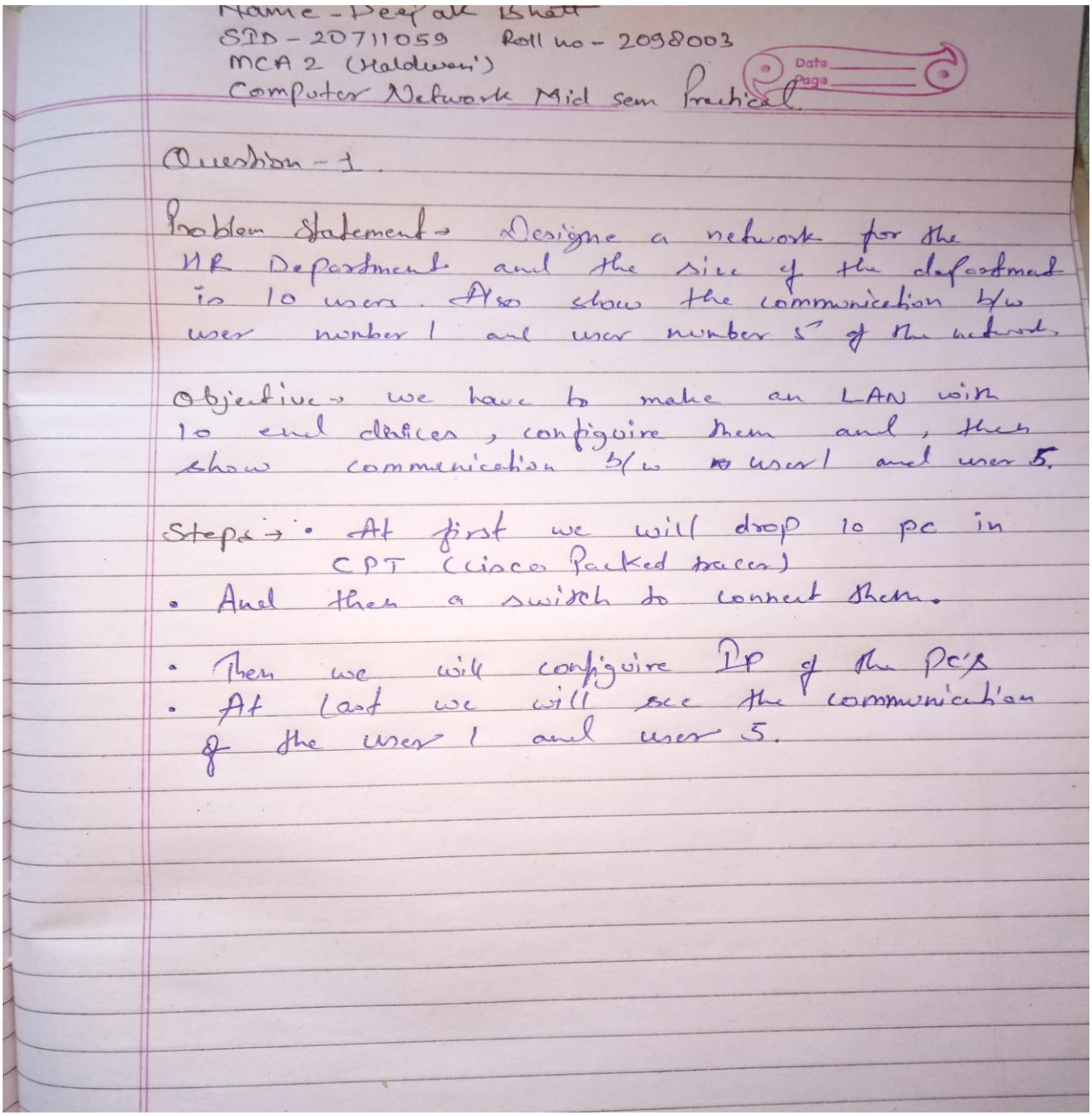
Name – Deepak Bhatt

Sid – 20711059 Roll – 2098003

Computer Network Mid Sem Practical exam

Question 1


Name - Deepak Bhatt
SID - 20711059 Roll no - 2098003
MCA 2 (Haldwani)
Computer Network Mid sem Practical.

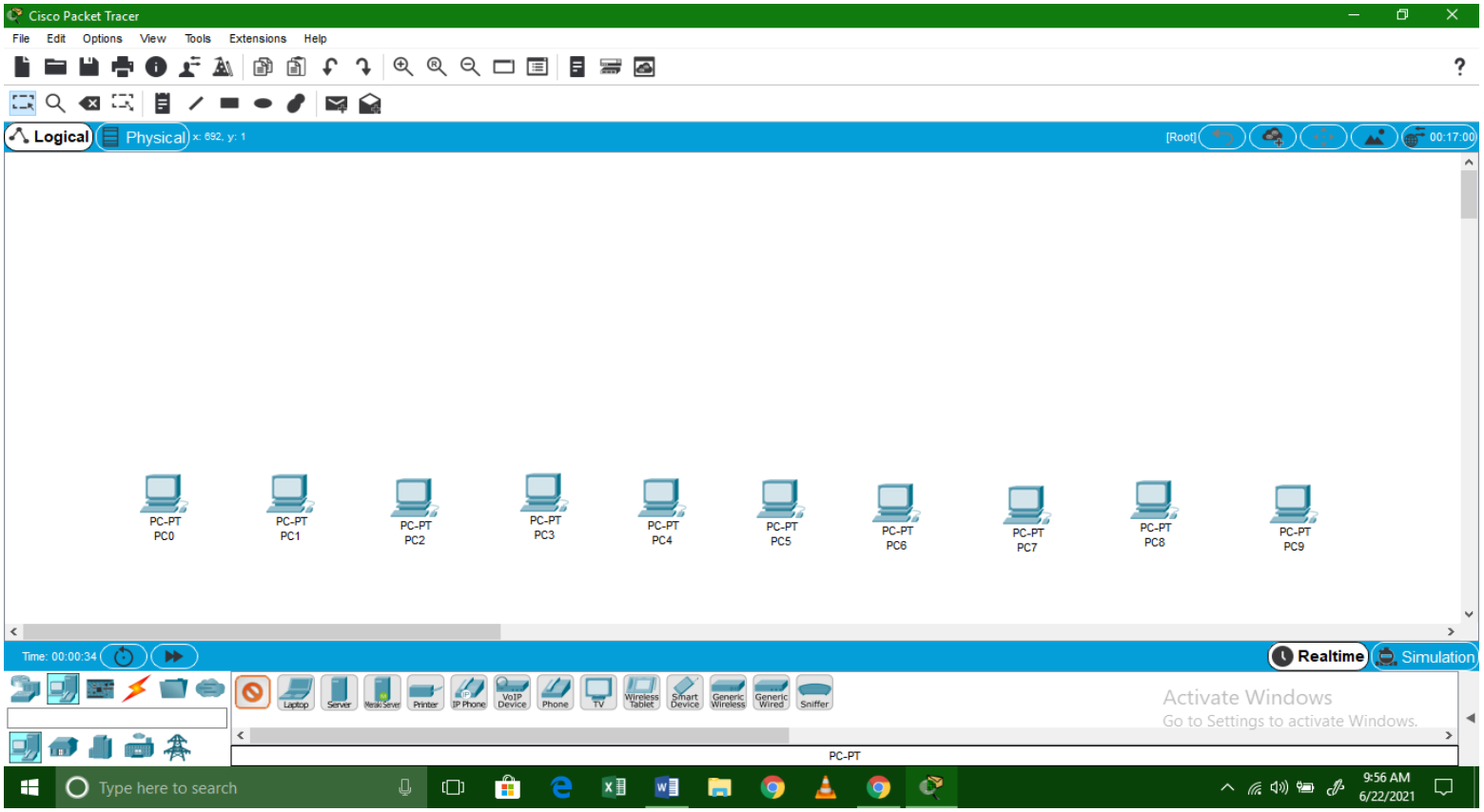
Question - 1.

Problem Statement → Designe a network for the HR Department and the size of the department is 10 users. Also show the communication b/w user number 1 and user number 5 of the network.

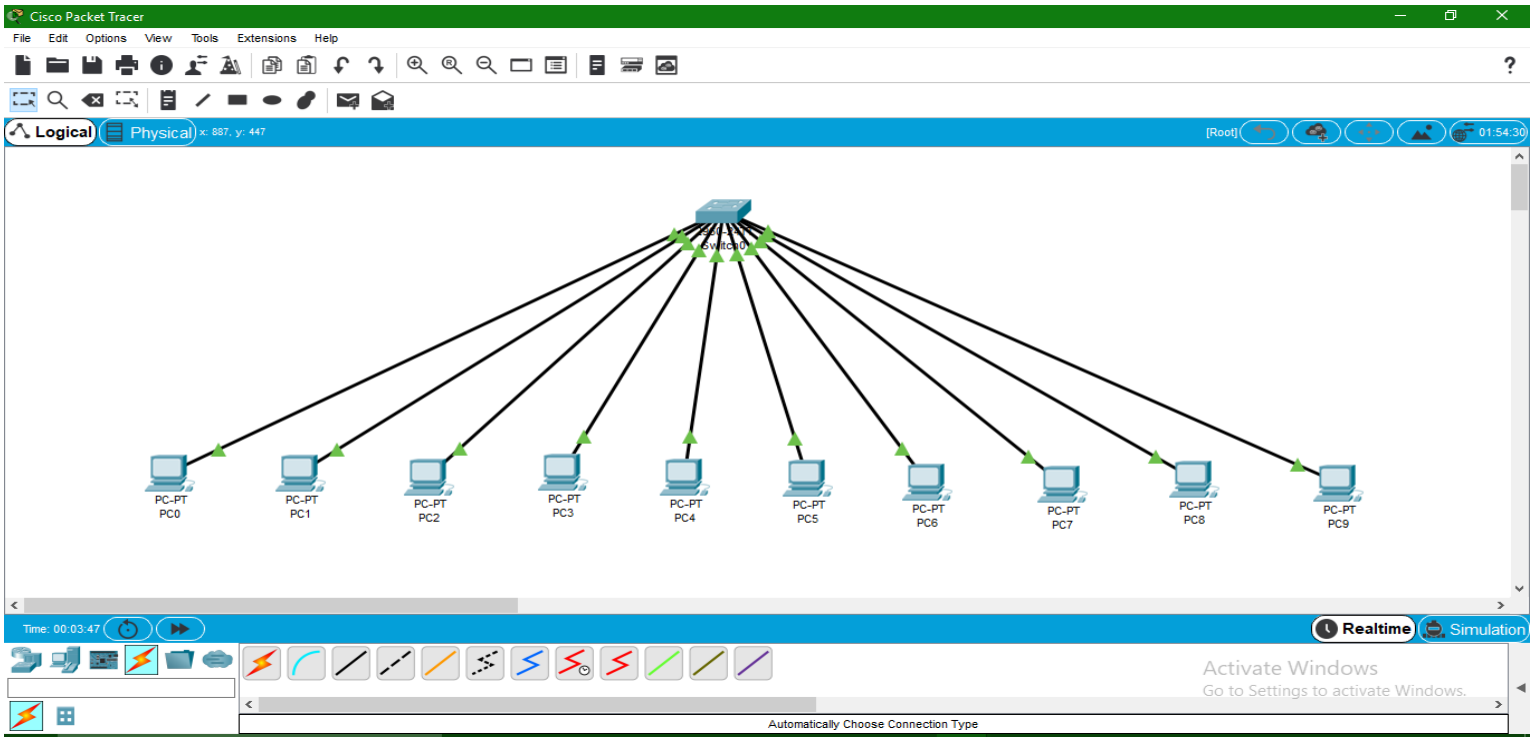
Objective → we have to make an LAN with 10 end devices, configuire them and, then show communication b/w user 1 and user 5.

Steps →
- At first we will drop 10 pc in CPT (Cisco Packed tracer)
- And then a switch to connect them.
- Then we will configuire IP of the PC's
- At last we will see the communication of the user 1 and user 5.

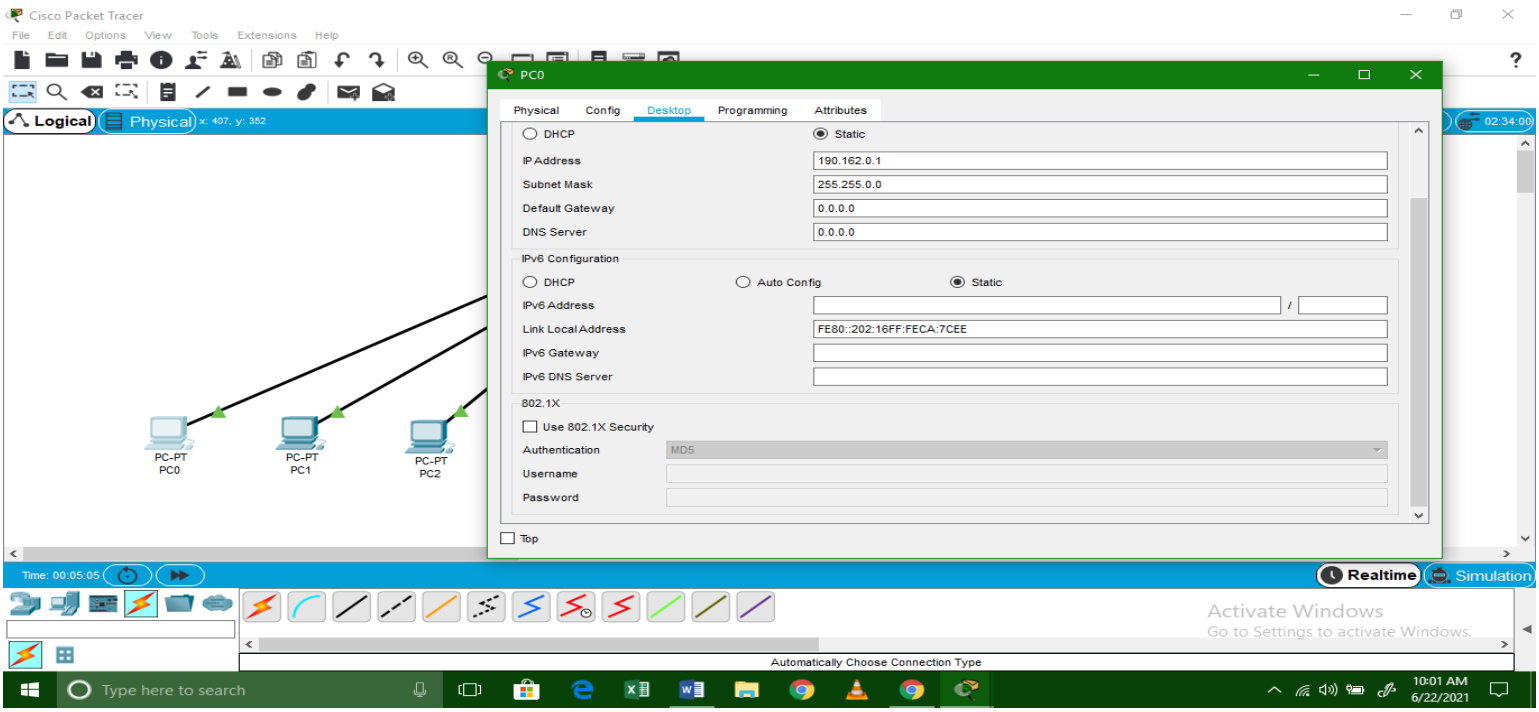
step 1 – 10 end devices

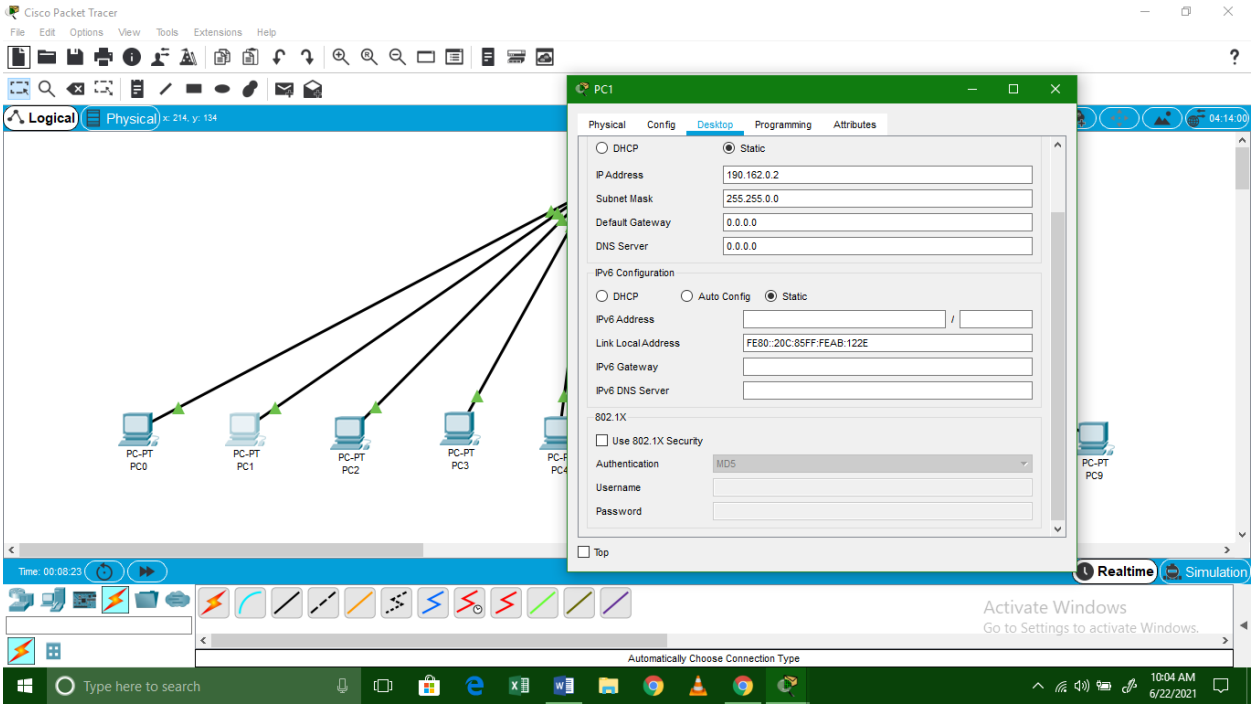


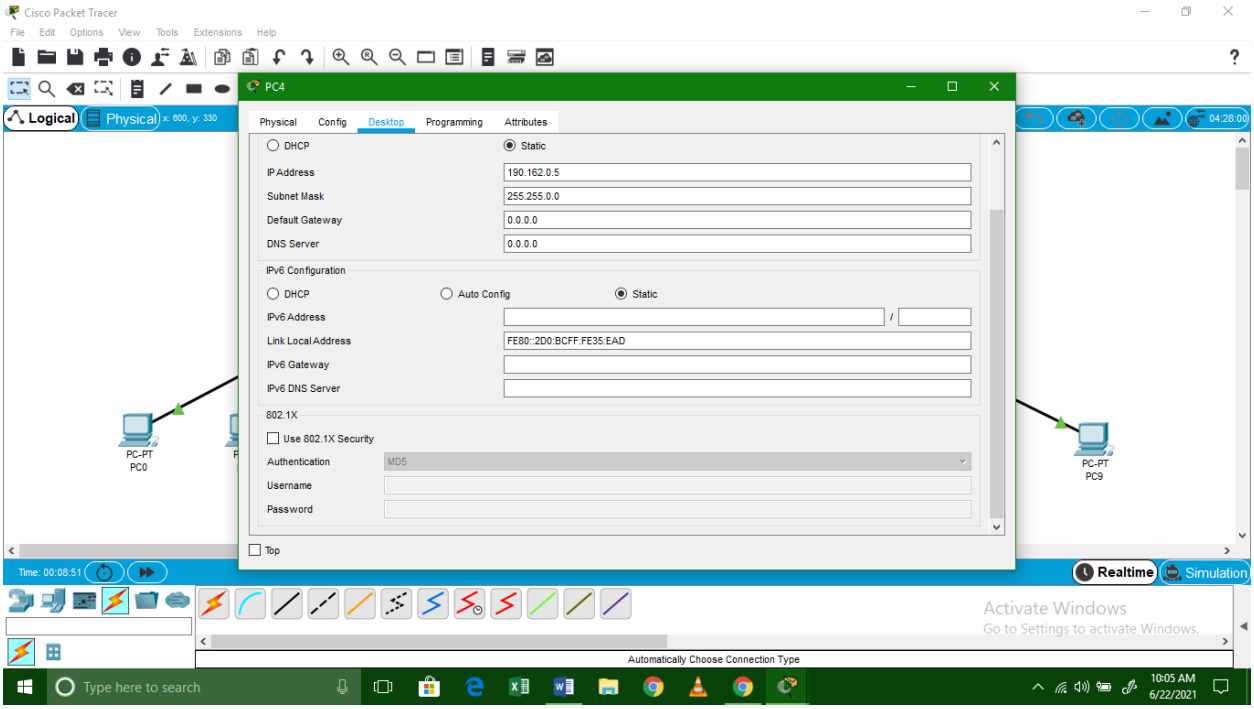
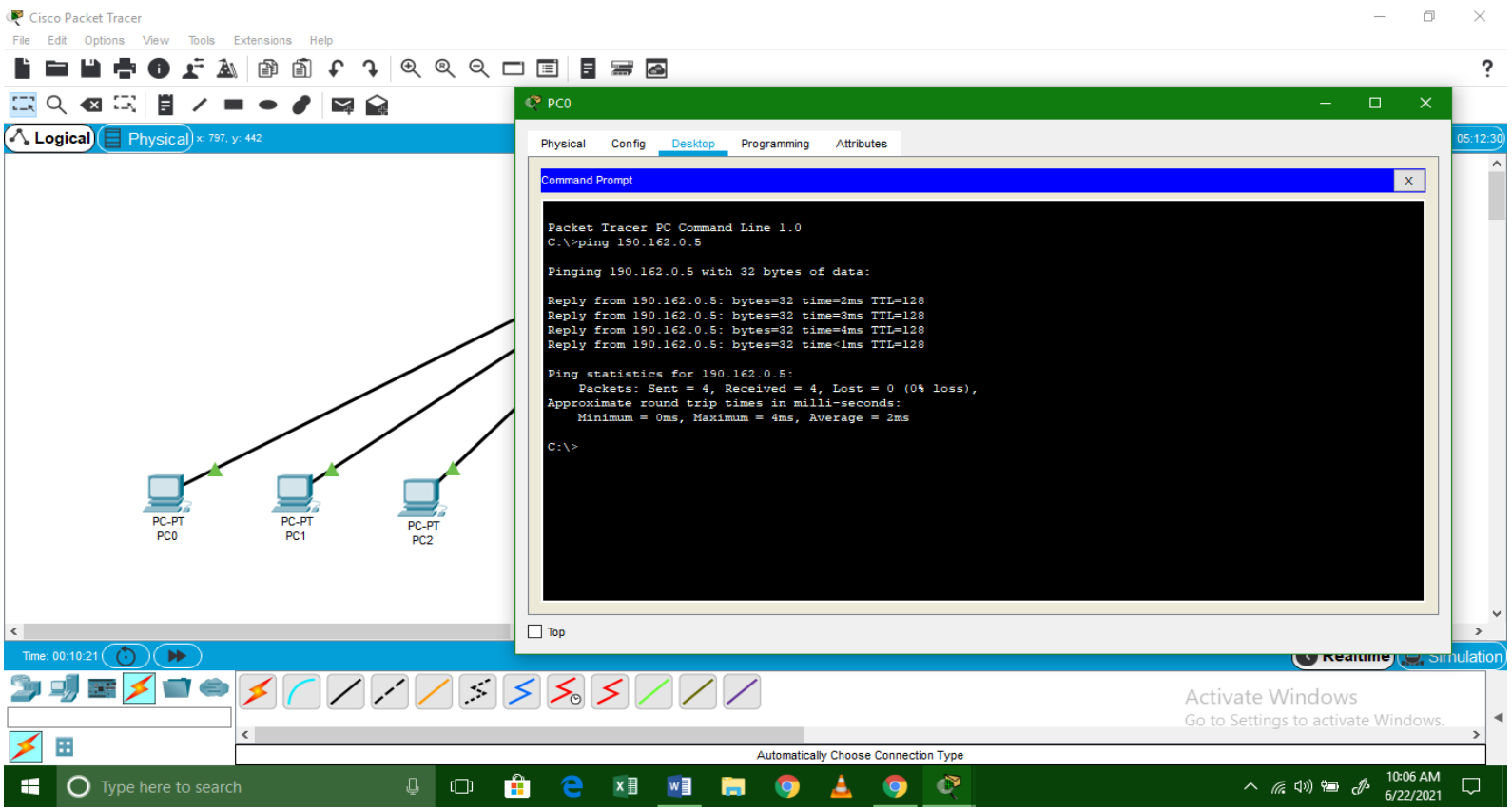
step 2 – end device in connection with switch



Step 3 – ip configuration of pc's




Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical x: 214, y: 134
PC1
Physical Config Desktop Programming Attributes
DHCP Static
IP Address 190.162.0.2
Subnet Mask 255.255.0.0
Default Gateway 0.0.0.0
DNS Server 0.0.0.0
IPv6 Configuration
DHCP Auto Config Static
IPv6 Address
Link Local Address FE80::20C:85FF:FEAB:122E
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication MD5
Username
Password
Top
PC-PT PC0
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC9
Time: 00:08:23
Realtime Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
10:04 AM
6/22/2021


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical x: 600, y: 330
PC4
Physical Config Desktop Programming Attributes
DHCP Static
IP Address 190.162.0.5
Subnet Mask 255.255.0.0
Default Gateway 0.0.0.0
DNS Server 0.0.0.0
IPv6 Configuration
DHCP Auto Config Static
IPv6 Address
Link Local Address FE80::2D0:BCFF:FE35:EAD
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication MD5
Username
Password
Top
PC-PT PC0
PC-PT PC9
Time: 00:08:51
Realtime Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
10:05 AM
6/22/2021

Step 4 – Communication between pc 1 and pc 5