

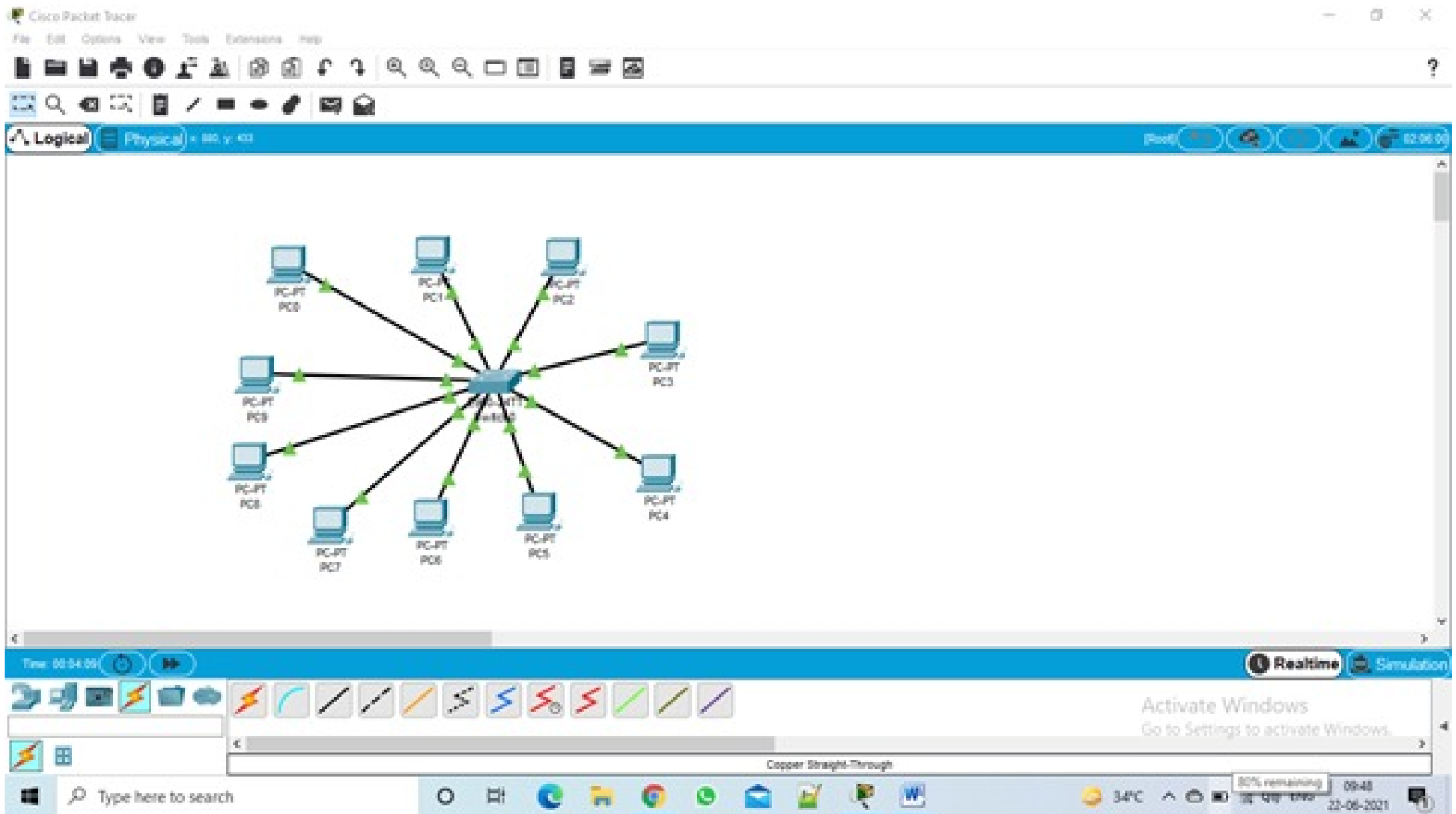
Q 1) There is an organization A with multiple departments. Design a network for the HR department & the size of the department is 10 users. Also, show the communication between user number 1 & user number 5 of the network.

→ Objective

- Design a network for HR department of size 10 users.
- Show the communication between user number 1 & user number 5 in the network

Steps:-

- 1) Take a switch of type 2960-244TT
Name it HR department
- 2) Take 10 PCs & connect all of them using fast ethernet to switch.
- 3) Give an IP address to each PC using IP configuration
- 4) Then using PDU icon to show communication b/w user 1 & user 5



Cisco Packet Tracer

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Logical Physical 104 v. 124

PC Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.1.1

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::230:ADFF:FE50:9A83

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Tip

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PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.6

Pinging 192.168.1.6 with 32 bytes of data:

Reply from 192.168.1.6: bytes=32 time=0ms TTL=128
Reply from 192.168.1.6: bytes=32 time=1ms TTL=128
Reply from 192.168.1.6: bytes=32 time=0ms TTL=128
Reply from 192.168.1.6: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.6:
    Packets: Sent = 4, Received = 4, Loss = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

☐ Tip