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Subject name - Computer Networks  
Subject code - TMC - 203

### 1) Problem Statement

Connecting 10 PC's and showing network between them and connection between 1st and 5th PC

objective - To understand how to create a LAN using switch in packet tracer

Description - Network - A computer network is a group of computers that use a common communication protocols over digital interconnection

### Steps

Step 1 - Drag and drop 10 PCs from 'End Devices' and one '2960-24TT' Switch from Switches

Step 2 - Now connect all PCs with switch using straight cable

Network created

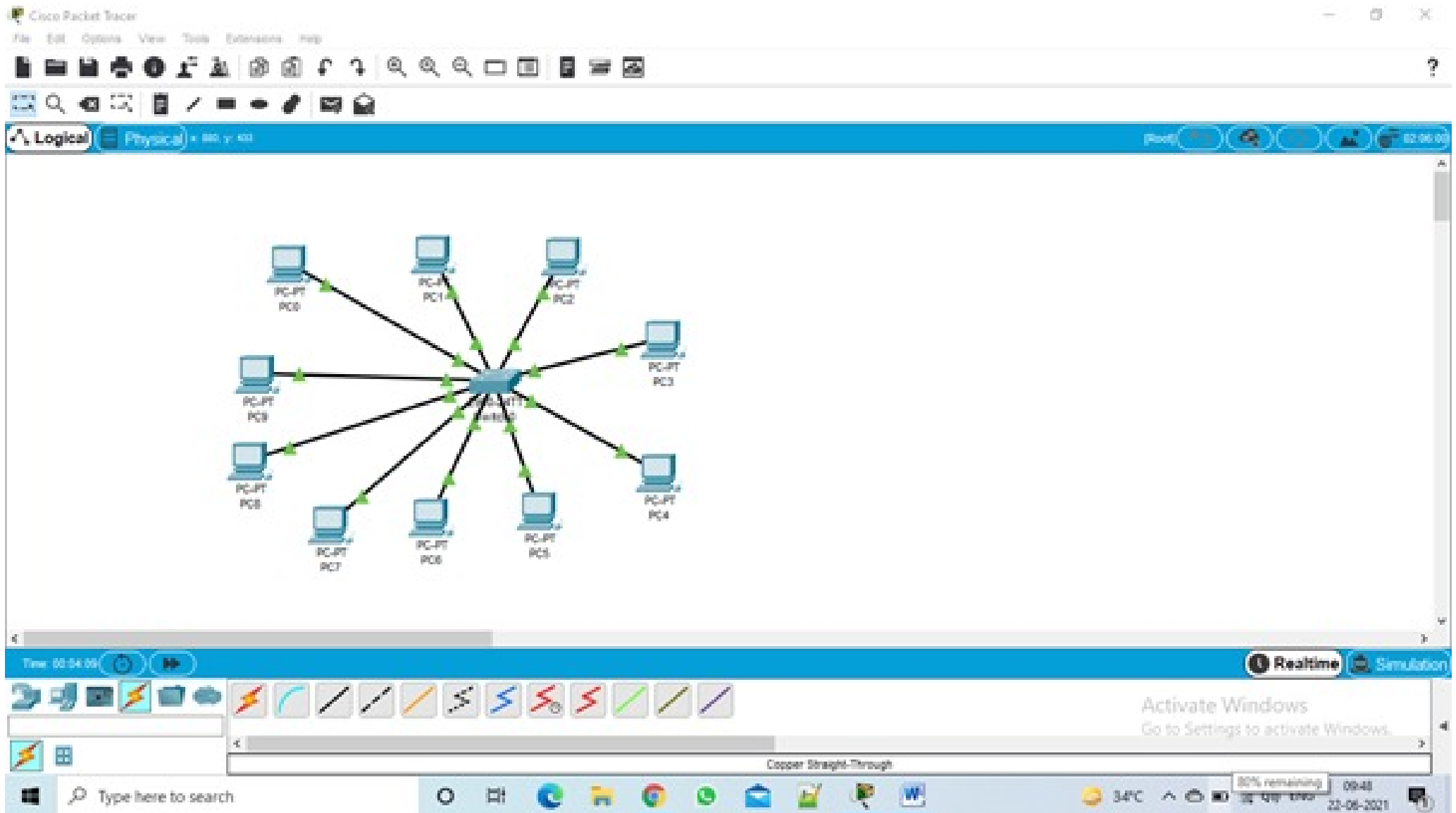
Step 3 - Click on 1st PC, go to Desktop open 'IP Configuration'

Step 4 - Write IP address and click on subnet mask

Step 5 - Continue step 3 to step 4 to get all IP address for all PCs  
IP address created

Step 6 - Go Click on 1st PC, go to desktop then click on command prompt then write command ping 192.168.1.5 to show connection between 1st & 5th PC  
Connection showed





Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical 194. v. 124

PC0

Physical Config Desktop Programming Attributes

IP 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::250:A3FF:FE39:94E3

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

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Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical = 385 y 144

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.5

Pinging 192.168.1.5 with 32 bytes of data:

Reply from 192.168.1.5: bytes=32 time=0ms TTL=128
Reply from 192.168.1.5: bytes=32 time=0ms TTL=128
Reply from 192.168.1.5: bytes=32 time=0ms TTL=128
Reply from 192.168.1.5: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
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Time: 00:11:52

Realtime Simulation

Activate Windows  
Go to Settings to activate Windows.

Copper Straight-Through

Type here to search

35°C 09:53 22-06-2021