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Name \rightarrow Nitin Bisht

Course \rightarrow MCA

Section \rightarrow A

University Roll No \rightarrow 2001098

Subject Name \rightarrow Computer Network

Subject Code \rightarrow TMC 203

Ans 1 problem Statement: Design a network of HR department and size of department is 10 users

Objective: To understand how to connect 10 users PC / computer using peer to peer.

Description: Steps of practical & paste Snapshot of network design, IP configuration & Connectivity.

Steps :-

- for performing connection b/w 10 pcs you needed.
- one Switch, 10 end devices PCs and Copper Straight through.
- click on PC0, select ip configuration and enter ip address 192.168.1.1 automatically Sub mask will generated.
- click on PC1, select ip configuration & enter ip address 192.168.1.2 automatically Sub mask will generated.
- follow the steps till 10 pcs with one increment of ip address & last PC10 ip address is 192.168.1.10

classmate

Nitin

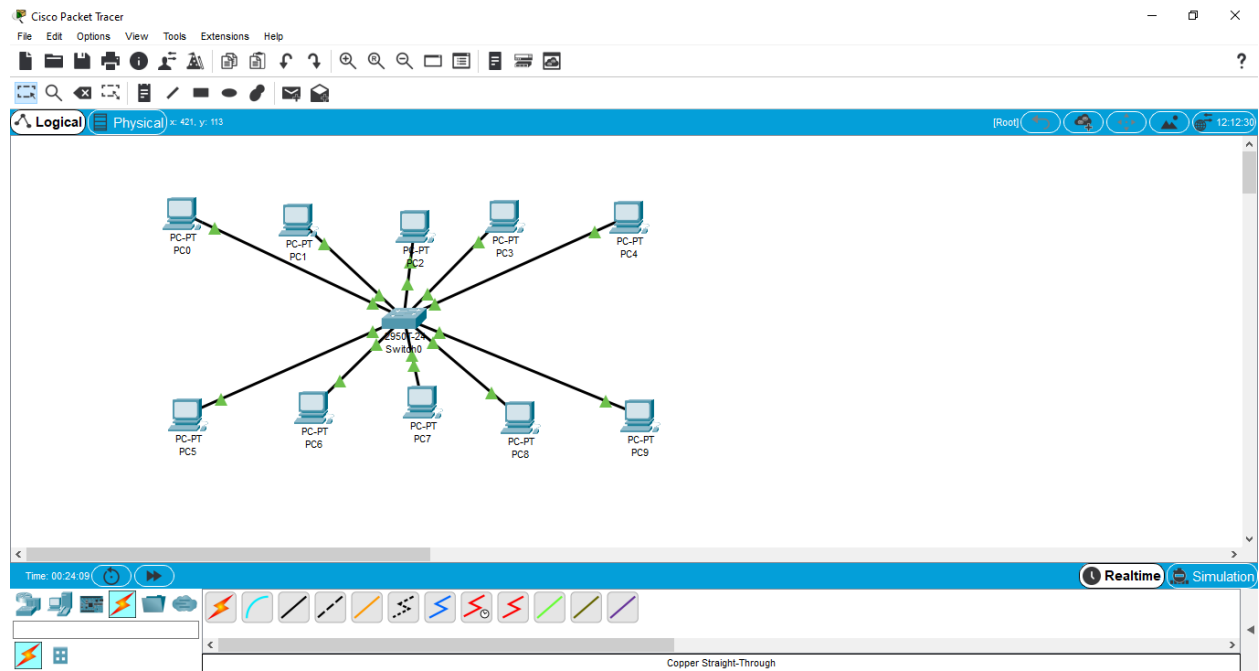
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connection checking.

- click on PC0, select desktop & select CMD
- Type ip address of PC1 like shown below.
- ping 192.168.1.1
- ping 192.168.1.5
- Successful connection established.

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Screenshot:



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::202:17FF:FEBA:E476

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

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PC5

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.1.6

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:A3FF:FE14:682C

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

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Output:

