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Course - MCA - B

Problem statement - There is an organization, a with multiple departments. Design a network for the HR department and the size of the department is 10 users. Also, show the communication between user Number 1 and user number 5 of the network.

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

Description: steps for practical and parts snapshot of network design, IP configuration and connectivity

Step 1: - Open Cisco packet tracer software and login as a guest



Step 2 - go to bottom task bar and select "Network devices" and under that select switches and drag drop it to the logical board.

Step 3 - Now, go to "End Devices" and select PC and drag drop 7 of them into the logical board.

Step 4 - select copper straight through wire from the connections tab and then connected all 7 PCs to the switch using FastEthernet connection

Step 5 - Next, configure the IP by clicking on PC P1 PC7

Step 6 - Set IP address PC7

Step 7 - repeat Step 6 for remaining 6 PC's

Step 8 - open command prompt and type ping (ip of the PC selected) if the output on command prompt looks like the screenshot then the switch and PC are connected successfully

Step 9 - Repeat step 8 for remaining 6 PC's.



