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Sub: Computer Networks Practical.

Problem Statement :

There is an organization A with multiple departments. Design a network for HR department is 10 users. Also show the communication b/w user number 1 and user number 5 of the network.

Objective :

To understand how to create a wired lan using switch in packet tracer.

Steps:

1. Choose the end devices icon and extract 10 desktops.
2. Add a switch device to connect the desktops.
3. Connect the desktop via switch using cross over cable.
4. Give IP address to each desktop.



Cisco Packet Tracer - C:\Users\ANKIT ASWALI\Desktop\lab que 1.pkt

File Edit Options View Tools Extensions Help

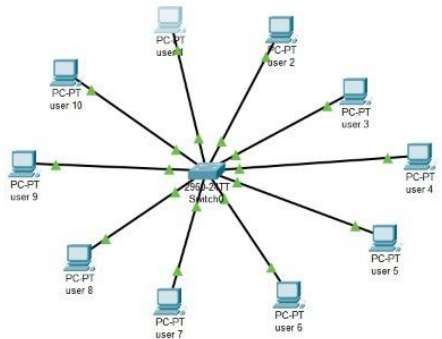
Logical

Physical

632 x 717

[Root]

10:34:39



```
graph TD; S[2509-24T1 Switch] --- U1[PC-PT user 1]; S --- U2[PC-PT user 2]; S --- U3[PC-PT user 3]; S --- U4[PC-PT user 4]; S --- U5[PC-PT user 5]; S --- U6[PC-PT user 6]; S --- U7[PC-PT user 7]; S --- U8[PC-PT user 8]; S --- U9[PC-PT user 9]; S --- U10[PC-PT user 10];
```

user 1

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 10.1.1.5

Pinging 10.1.1.5 with 32 bytes of data:

Reply from 10.1.1.5: bytes=32 time=1ms TTL=128
Reply from 10.1.1.5: bytes=32 time=1ms TTL=128
Reply from 10.1.1.5: bytes=32 time=1ms TTL=128
Reply from 10.1.1.5: bytes=32 time=1ms TTL=128

Ping statistics for 10.1.1.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

☐ Top

Time: 00:21:32

Realtime Simulation

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

IoT Custom Cable

Windows taskbar with icons for File Explorer, Edge, etc.

System tray with volume, network, and language (ENG) indicators.