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Problem Statement(1) — Connecting 10 PCs and showing network between them and connection between 1st and 5th PC

Objective — To understand how to create a Case using switch in present packet tracer.

Description — Network — A Computer network is a group of computer that use a common communication protocol over digital interconnection.

Steps for network design.

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

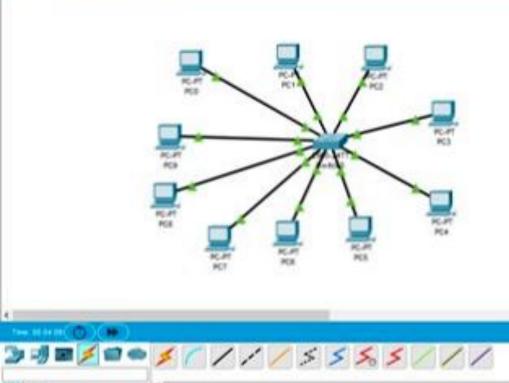Step 2 — Now connect all PCs with switch using straight cable.

Step 3. Click on 1st PC go to Destop open IP configuration

Step 4. Write PP address and click on "Subnet Mask"

Step 5. Continue Step 3 to Step 4 to get all IP address for all PCs.

Step 6 — Click on 1st PC. go to destop then click on command prompt the write command.

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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=91ms 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, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 91ms, Average = 23ms

C:\>
```

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:A3FF:FE39:9A82
IPv6 Gateway	
IPv6 DNS Server	

802.1X

☐ Use 802.1X Security