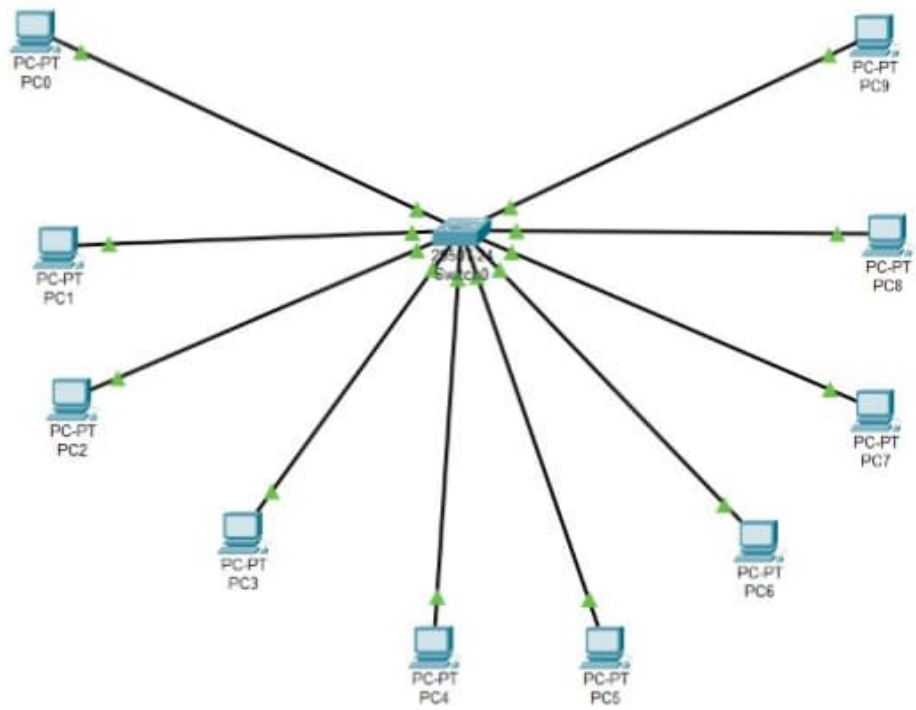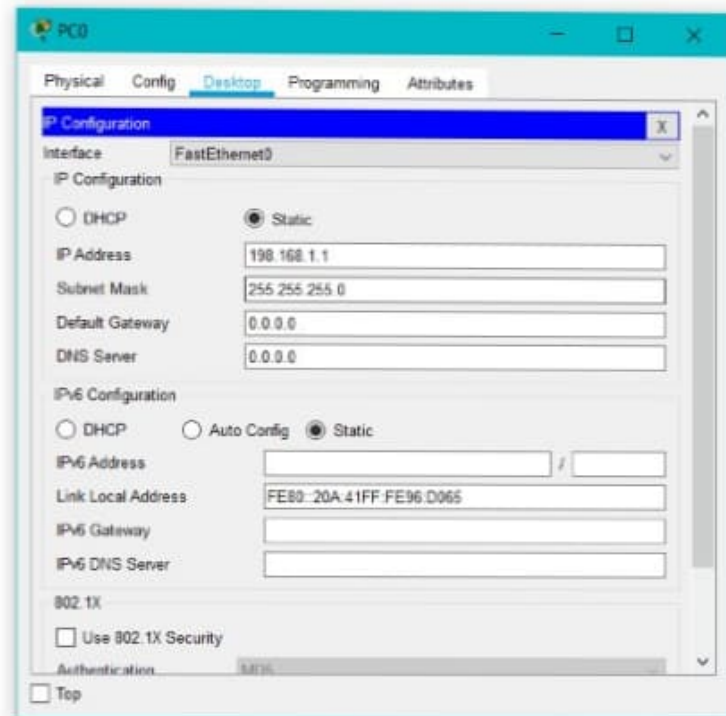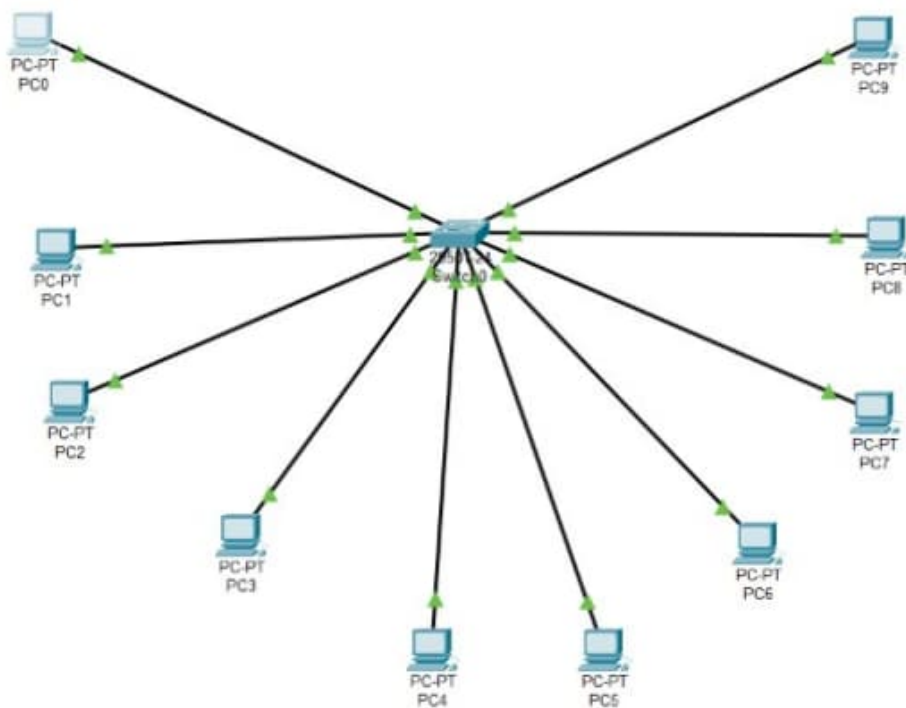Name - Abhishek Baluni
Course - MCA B
Student id - 20711121

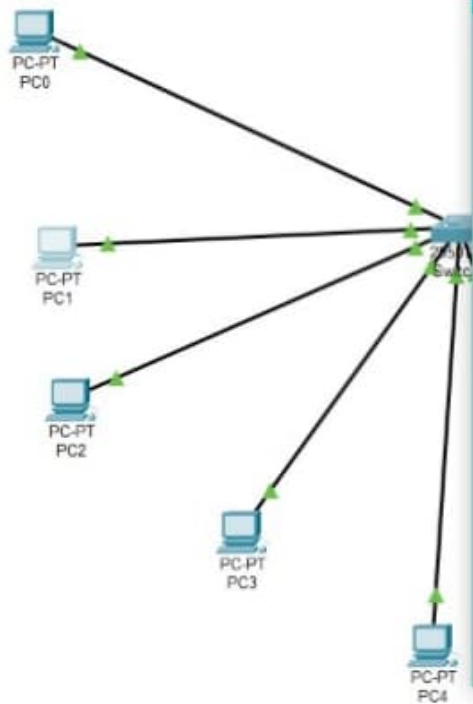Problem statement - There is an
organization -- and ~~togr~~ = - - - - -
and user So. no. s of the
network.

Objective - To understand how to create
a wired LAN using Packet Tracer and
how to show connection of one
made to another.

Step 1 - Network design
Step 2 - Ip configuration
Step 3 - Connectiving checking of 1 to s by
using Ping command.

PC0

Physical Config Desktop Programming Attributes

IP Configuration   X

Interface   FastEthernet0

IP Configuration

◯ DHCP   ⦿ Static

IP Address   198.168.1.1

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::20A:41FF:FE96:D065

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication   MD5

☐ Top

PC-PT
PC0

PC-PT
PC1

PC-PT
PC2

PC-PT
PC3

PC-PT
PC4

PC5

PC1

— □ ✕

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface   FastEthernet0   ⌄

IP Configuration

○ DHCP   ● Static

IP Address   198.168.1.2

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::202:4AFF:FEE5:12C9

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication   MD5

☐ Top

PC-PT
PC0

PC-PT
PC1

PC-PT
PC2

PC-PT
PC3

PC-PT
PC4

PC5

PC2 — □ ✕
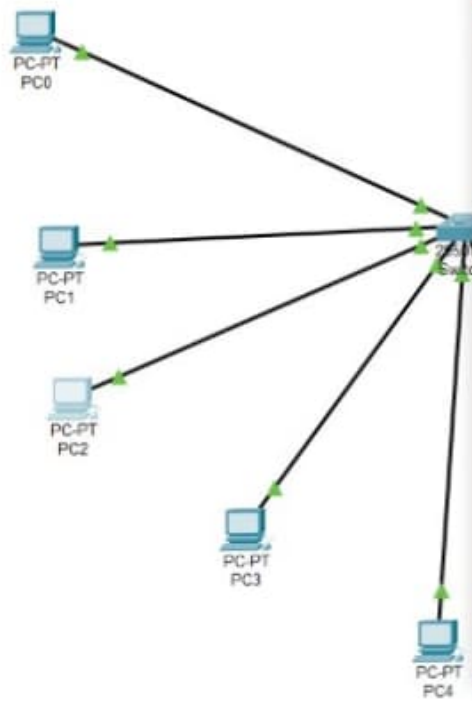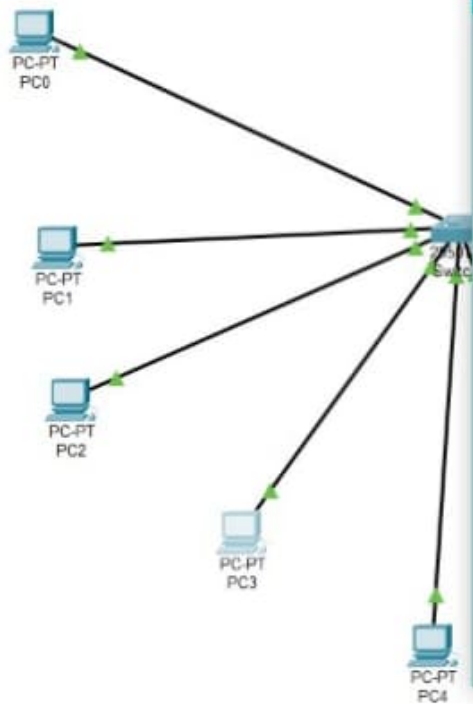
Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface   FastEthernet0   ⌄

IP Configuration

○ DHCP   ● Static

IP Address   198.168.1.3

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::2E0:F7FF:FECB:8698

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication

☐ Top

PC-PT
PC0

PC-PT
PC1

PC-PT
PC2

PC-PT
PC3

PC-PT
PC4

PC5

PC3 — □ ✕

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface   FastEthernet0   ⌄

IP Configuration

○ DHCP   ● Static

IP Address   198.168.1.4

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   /

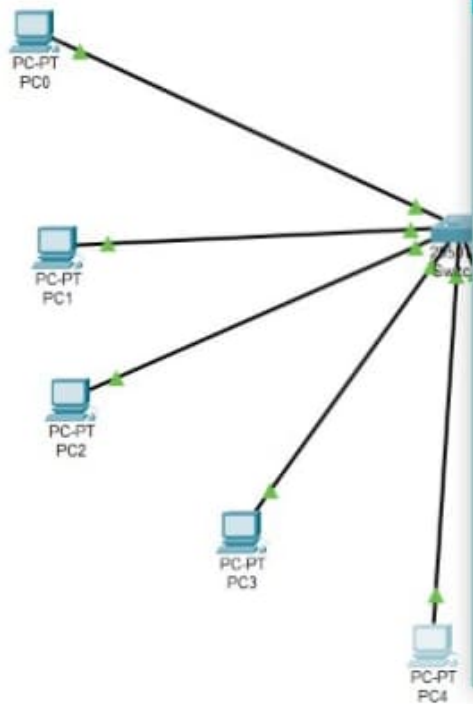Link Local Address   FE80::250:5CFF:FEE7:6300

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication   MD5

☐ Top

PC-PT
PC0

PC-PT
PC1

PC-PT
PC2

PC-PT
PC3

PC-PT
PC4

PC5

PC4   —   □   ✕

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface   FastEthernet0   ⌄

IP Configuration

○ DHCP   ● Static

IP Address   198.168.1.5

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::2E0:F9FF:FE05:5845

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication   MD5

☐ Top

mand Prompt   X

```
\>ipconfig

stEthernet0 Connection:(default port)

  Link-local IPv6 Address.........: FE80::20A:41FF:FE96:D065
  IP Address.....................: 198.168.1.1
  Subnet Mask....................: 255.255.255.0
  Default Gateway................: 0.0.0.0

uetooth Connection:

  Link-local IPv6 Address.........: ::
  IP Address.....................: 0.0.0.0
  Subnet Mask....................: 0.0.0.0
  Default Gateway................: 0.0.0.0

\>ping 198.168.1.5

inging 198.168.1.5 with 32 bytes of data:

eply from 198.168.1.5: bytes=32 time=1ms TTL=128
eply from 198.160.1.5: bytes=32 time=1ms TTL=128
eply from 198.168.1.5: bytes=32 time<1ms TTL=128
eply from 198.168.1.5: bytes=32 time<1ms TTL=128

Ping statistics for 198.168.1.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```
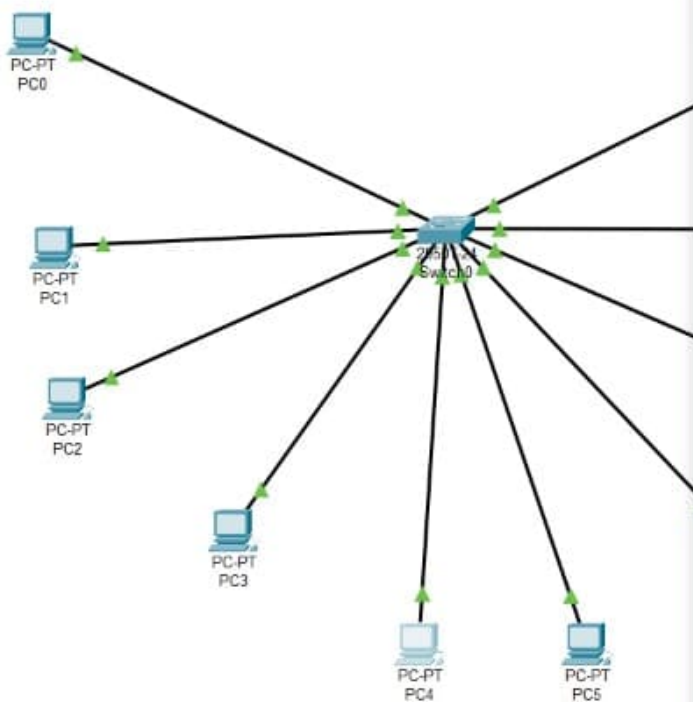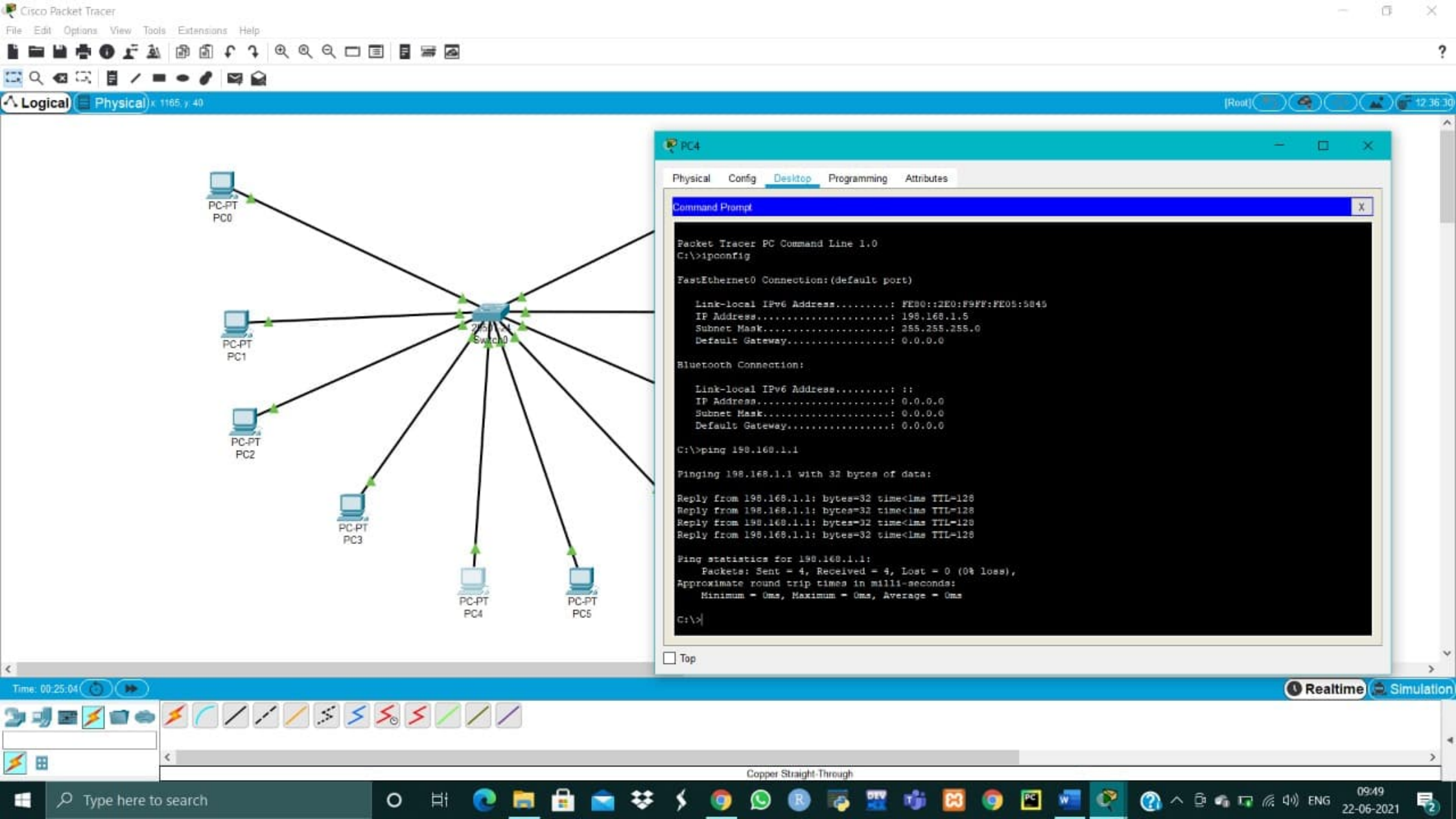
Top

Realtime   Sim

Copper Straight-Through

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical | Physical x 1165, y 40 [Root]

PC-PT
PC0

PC-PT
PC1

PC-PT
PC2

PC-PT
PC3

2950-24
Switch0

PC-PT
PC4

PC-PT
PC5

PC4

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2E0:F9FF:FE05:5845
   IP Address......................: 198.168.1.5
   Subnet Mask.....................: 255.255.255.0
   Default Gateway.................: 0.0.0.0

Bluetooth Connection:

   Link-local IPv6 Address.........: ::
   IP Address......................: 0.0.0.0
   Subnet Mask.....................: 0.0.0.0
   Default Gateway.................: 0.0.0.0

C:\>ping 198.168.1.1

Pinging 198.168.1.1 with 32 bytes of data:

Reply from 198.168.1.1: bytes=32 time<1ms TTL=128
Reply from 198.168.1.1: bytes=32 time<1ms TTL=128
Reply from 198.168.1.1: bytes=32 time<1ms TTL=128
Reply from 198.168.1.1: bytes=32 time<1ms TTL=128

Ping statistics for 198.168.1.1:
    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: 00:25:04 Realtime Simulation

Copper Straight-Through

Type here to search