

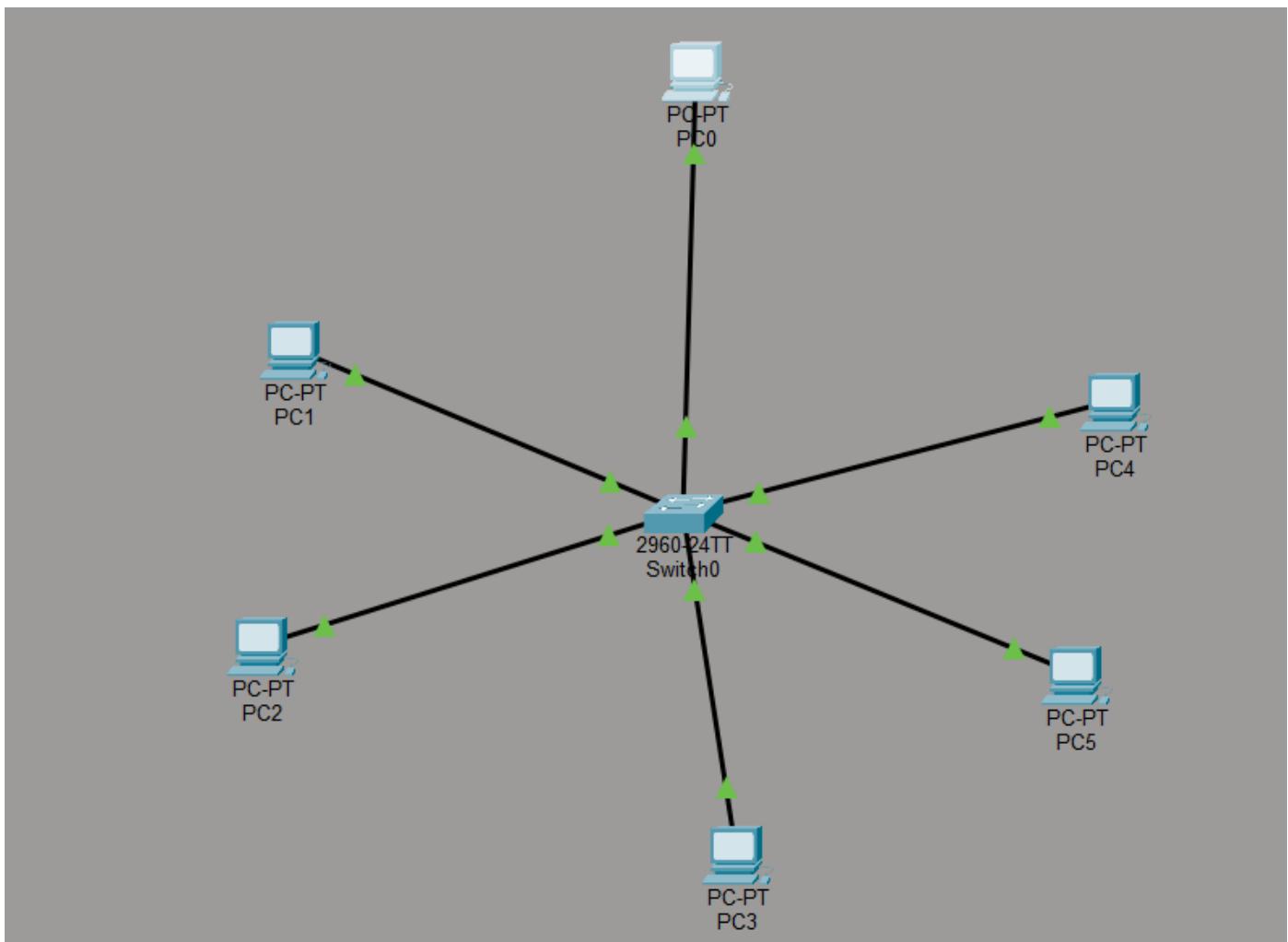
CN Assignment-03

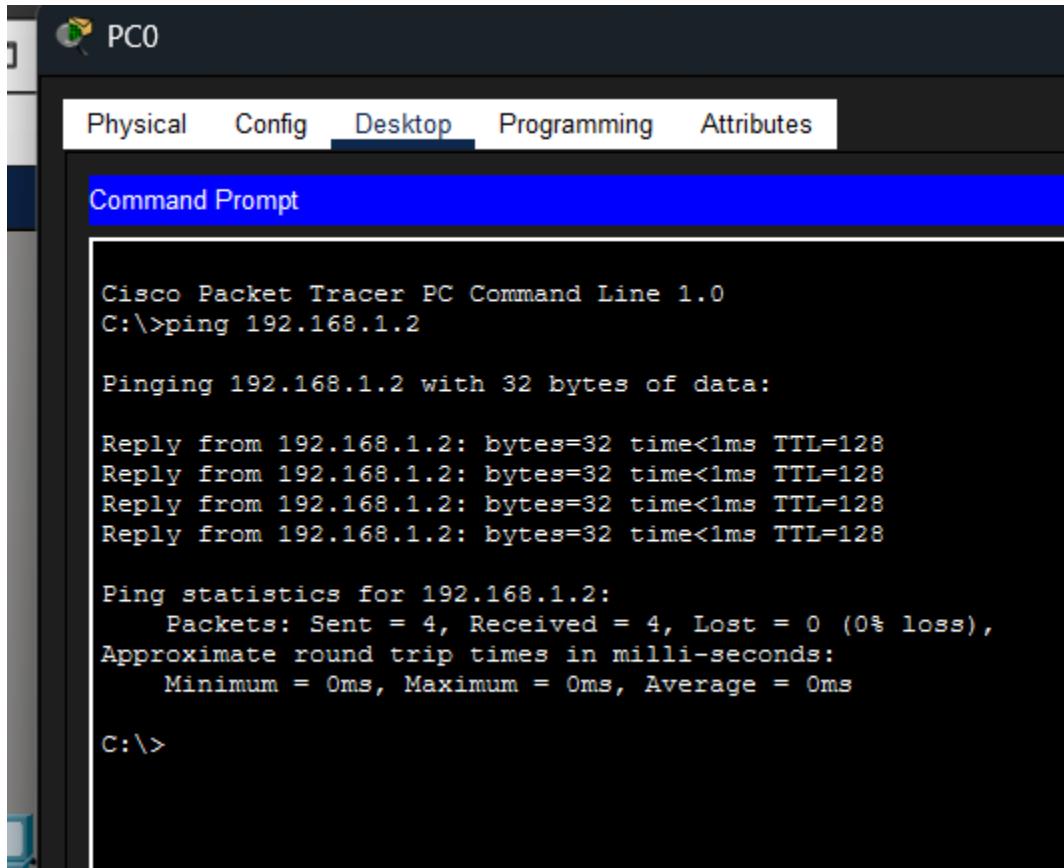
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Question 1 : Construct a star topology in the Cisco packet tracer as shown below, and check where the data packets are transferring from one system to another using ping.

Output:





The screenshot shows a Cisco Packet Tracer window titled "PC0". The menu bar includes "Physical", "Config", "Desktop" (which is selected), "Programming", and "Attributes". A blue header bar says "Command Prompt". The main area displays the following text:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

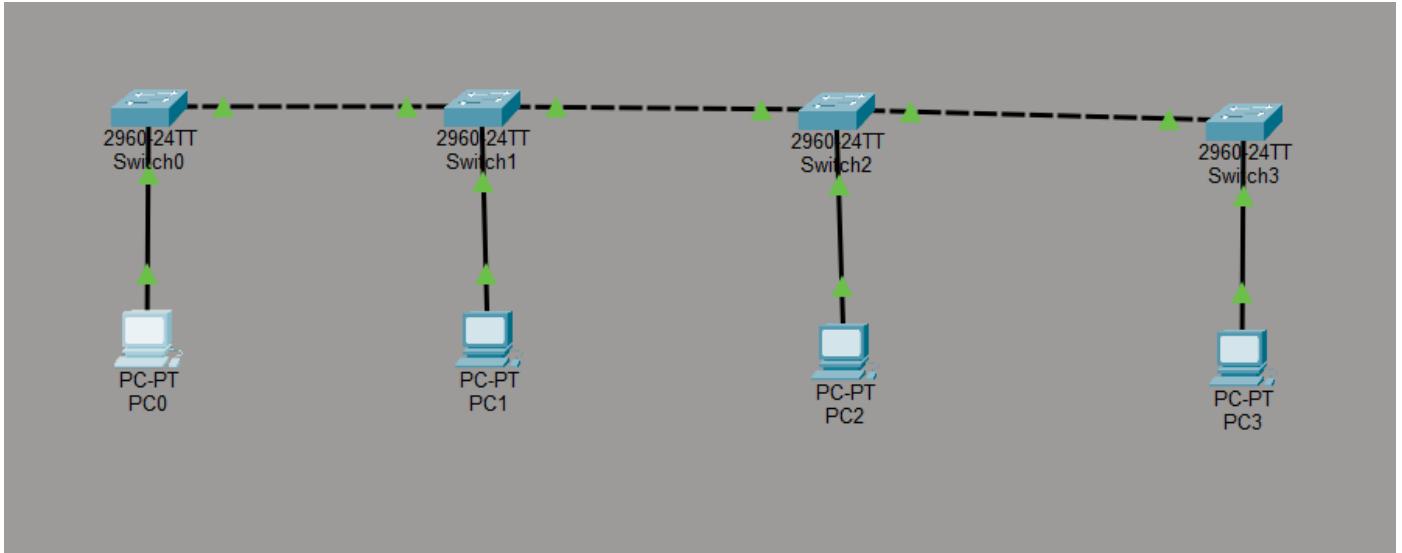
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

Question 2 : Construct a bus topology in the Cisco packet tracer as shown below, and check where the data packets are transferring from one system to another.

Output:



The screenshot shows the Cisco Packet Tracer Command Prompt window for PC0. The window title is "PC0". The menu bar includes "Physical", "Config", "Desktop", "Programming", and "Attributes", with "Desktop" being the active tab. The command prompt area displays the following output:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.4

Pinging 192.168.0.4 with 32 bytes of data:

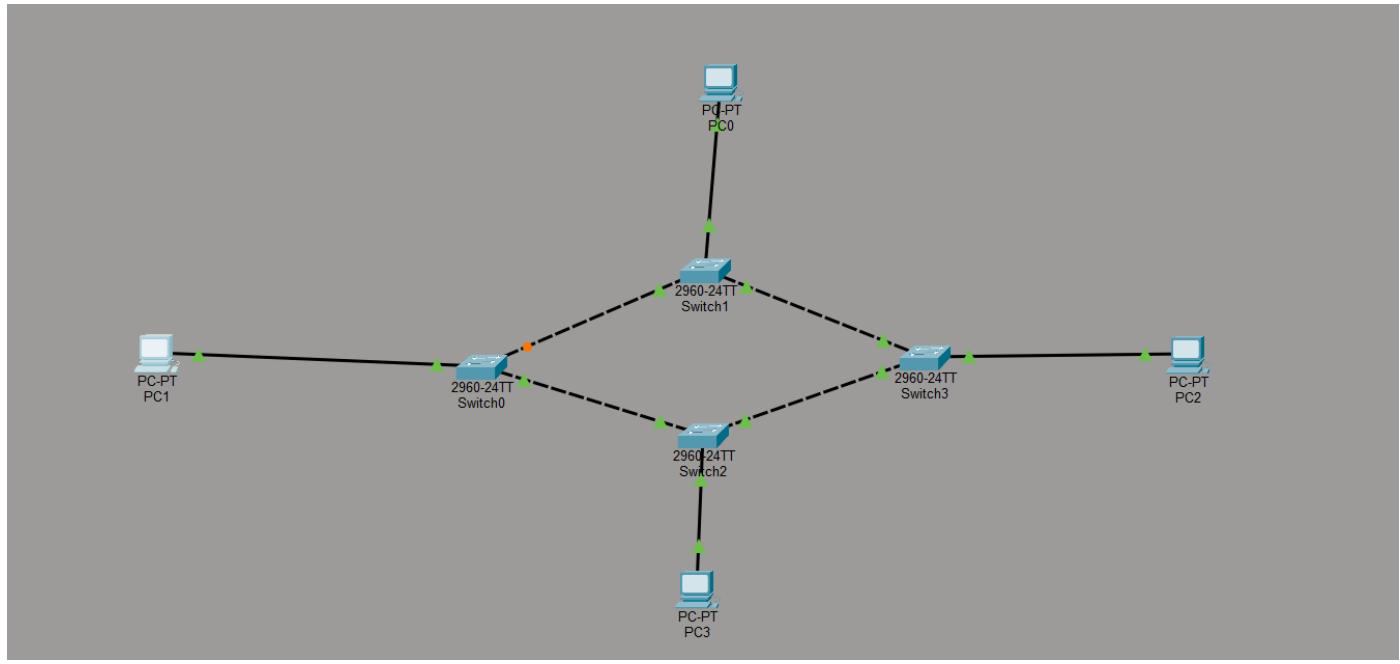
Reply from 192.168.0.4: bytes=32 time<1ms TTL=128
Reply from 192.168.0.4: bytes=32 time<1ms TTL=128
Reply from 192.168.0.4: bytes=32 time=1ms TTL=128
Reply from 192.168.0.4: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

Question 3 : Construct a ring topology in the Cisco packet tracer as shown below, and check where the data packets are transferring from one system to another.

Output:



PC1

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\> ping 192.168.0.4

Pinging 192.168.0.4 with 32 bytes of data:

Reply from 192.168.0.4: bytes=32 time<1ms TTL=128
Reply from 192.168.0.4: bytes=32 time=1ms TTL=128
Reply from 192.168.0.4: bytes=32 time<1ms TTL=128
Reply from 192.168.0.4: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

