

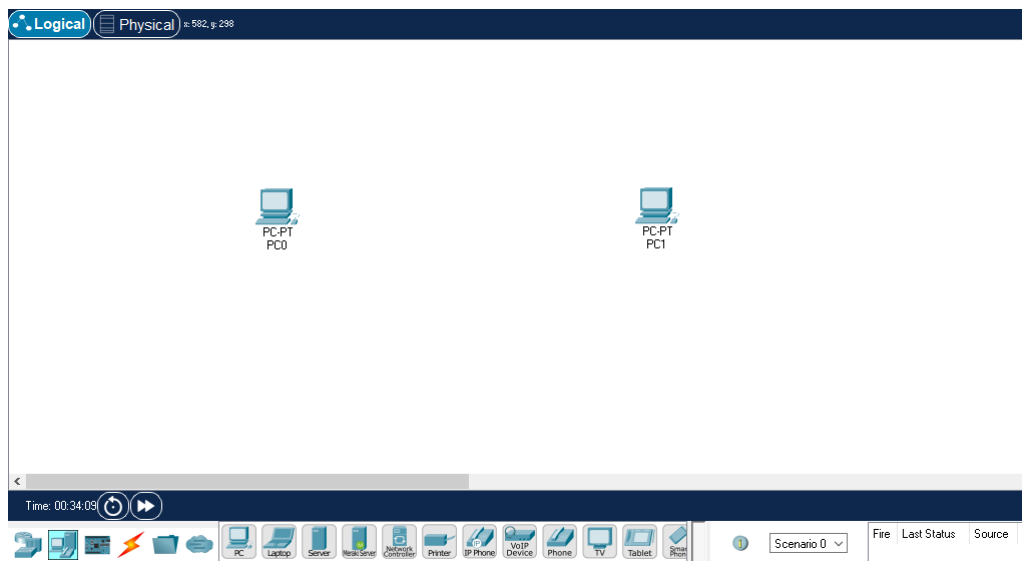
Demo Test Computer Network

Problem statement: Perform Connecting two PCs /computer using peer to peer in Packet Tracer.

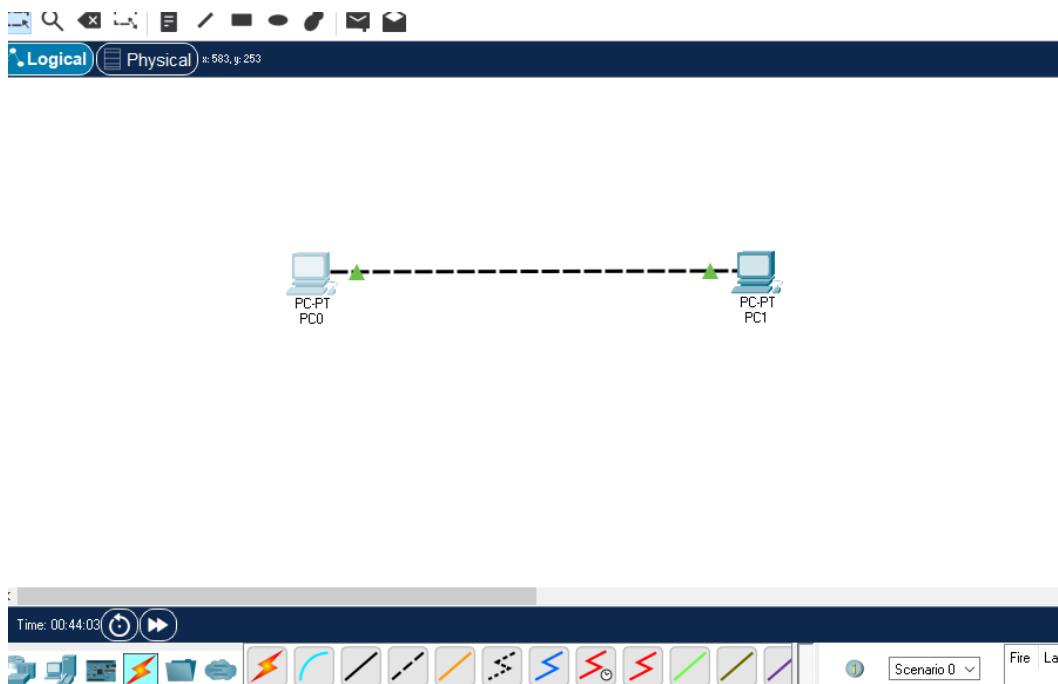
Objective: To understand how to Connect two PCs /computer using peer to peer.

Description: Steps for practical of network design, IP configuration and connectivity

Step 1: Select, Drag and Drop 2 Pc from End Devices.



Step 2: Select copper cross over cable from connection. And connect through FastEthernet.



Step 3: Configure IP address of PC0 and PC1.

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 192.162.10.1

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:C7FF:FEB8:864

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

PC1

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 192.162.10.2

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::207:ECFF:FEE5:5887

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

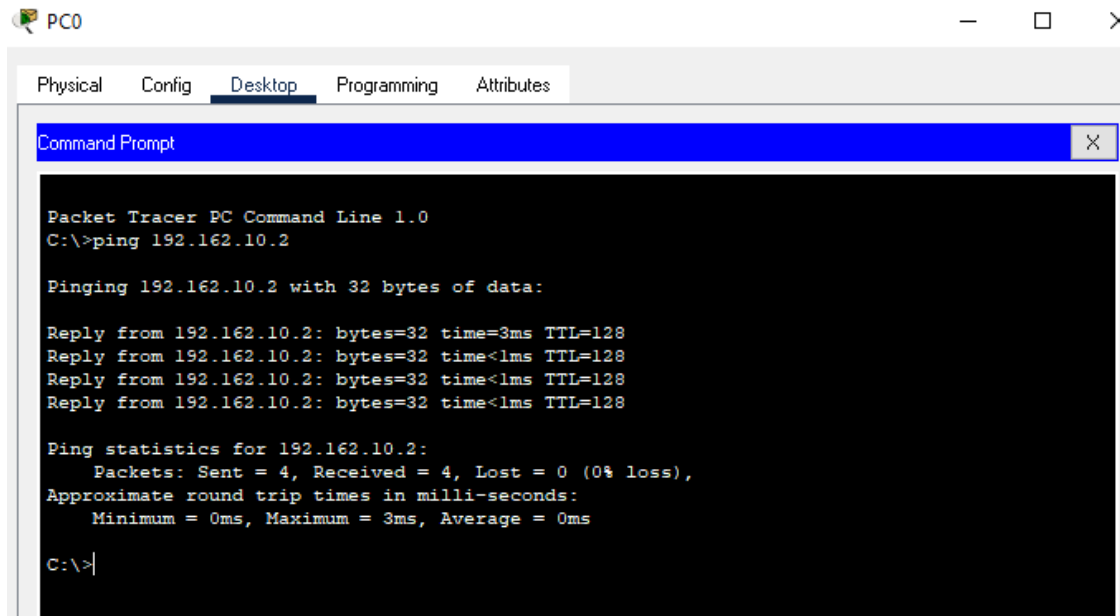
Username:

Password:

now IP configuration PC0 and PC1 is done.

Step 4: Open command prompt of PC0 and enter ping command for PC1.

Similarly enter ping command from PC1 for PC0.



The screenshot shows the Packet Tracer interface for PC0. The 'Desktop' tab is selected, and a 'Command Prompt' window is open. The command prompt displays the output of the 'ping 192.162.10.2' command. The output shows four successful replies from 192.162.10.2 with 32 bytes of data, each taking less than 1ms and having a TTL of 128. The ping statistics show 4 packets sent, 4 received, and 0% loss, with an average round trip time of 0ms.

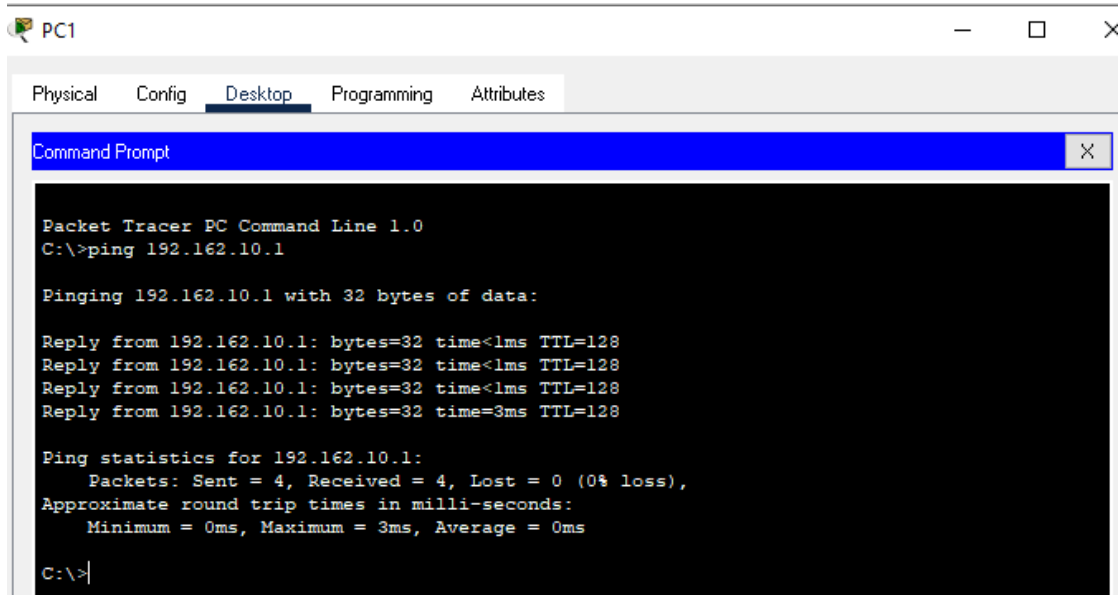
```
Packet Tracer PC Command Line 1.0
C:\>ping 192.162.10.2

Pinging 192.162.10.2 with 32 bytes of data:

Reply from 192.162.10.2: bytes=32 time<1ms TTL=128
Reply from 192.162.10.2: bytes=32 time<1ms TTL=128
Reply from 192.162.10.2: bytes=32 time<1ms TTL=128
Reply from 192.162.10.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.162.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 0ms

C:\>
```



The screenshot shows the Packet Tracer interface for PC1. The 'Desktop' tab is selected, and a 'Command Prompt' window is open. The command prompt displays the output of the 'ping 192.162.10.1' command. The output shows four successful replies from 192.162.10.1 with 32 bytes of data, each taking less than 1ms and having a TTL of 128. The ping statistics show 4 packets sent, 4 received, and 0% loss, with an average round trip time of 0ms.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.162.10.1

Pinging 192.162.10.1 with 32 bytes of data:

Reply from 192.162.10.1: bytes=32 time<1ms TTL=128
Reply from 192.162.10.1: bytes=32 time<1ms TTL=128
Reply from 192.162.10.1: bytes=32 time<1ms TTL=128
Reply from 192.162.10.1: bytes=32 time=3ms TTL=128

Ping statistics for 192.162.10.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 0ms

C:\>
```

Now Pc0 and Pc1 is connected.