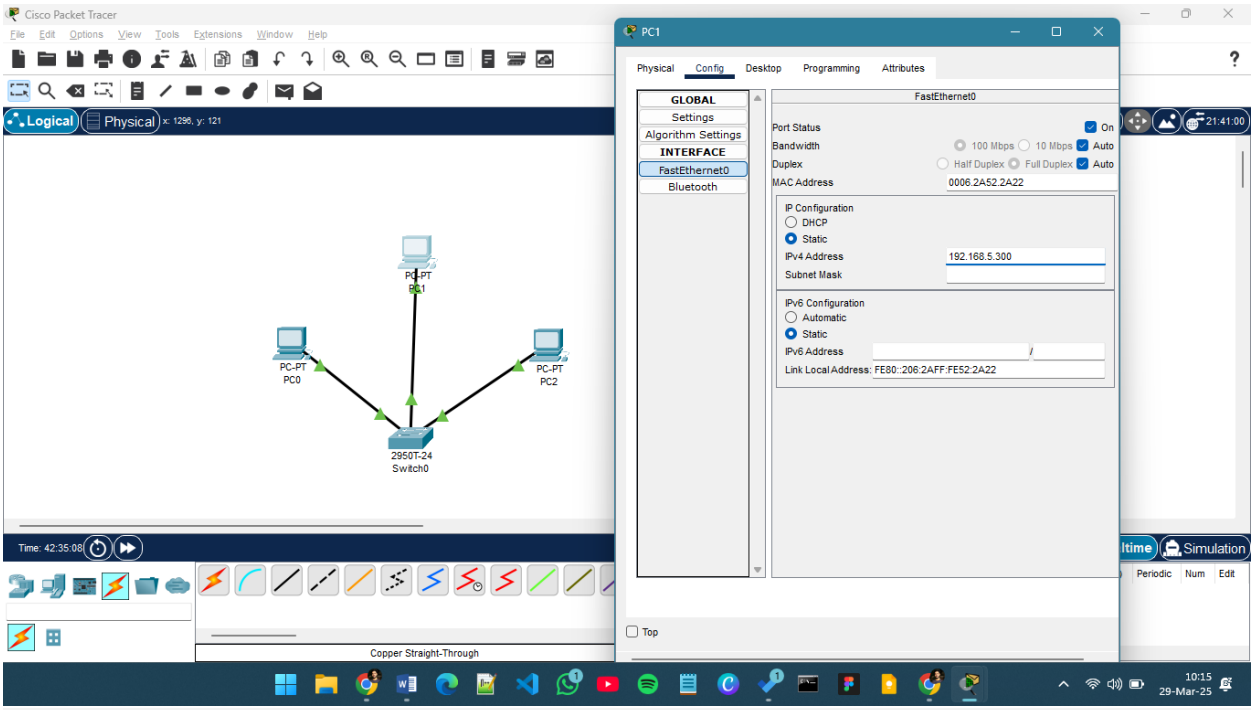
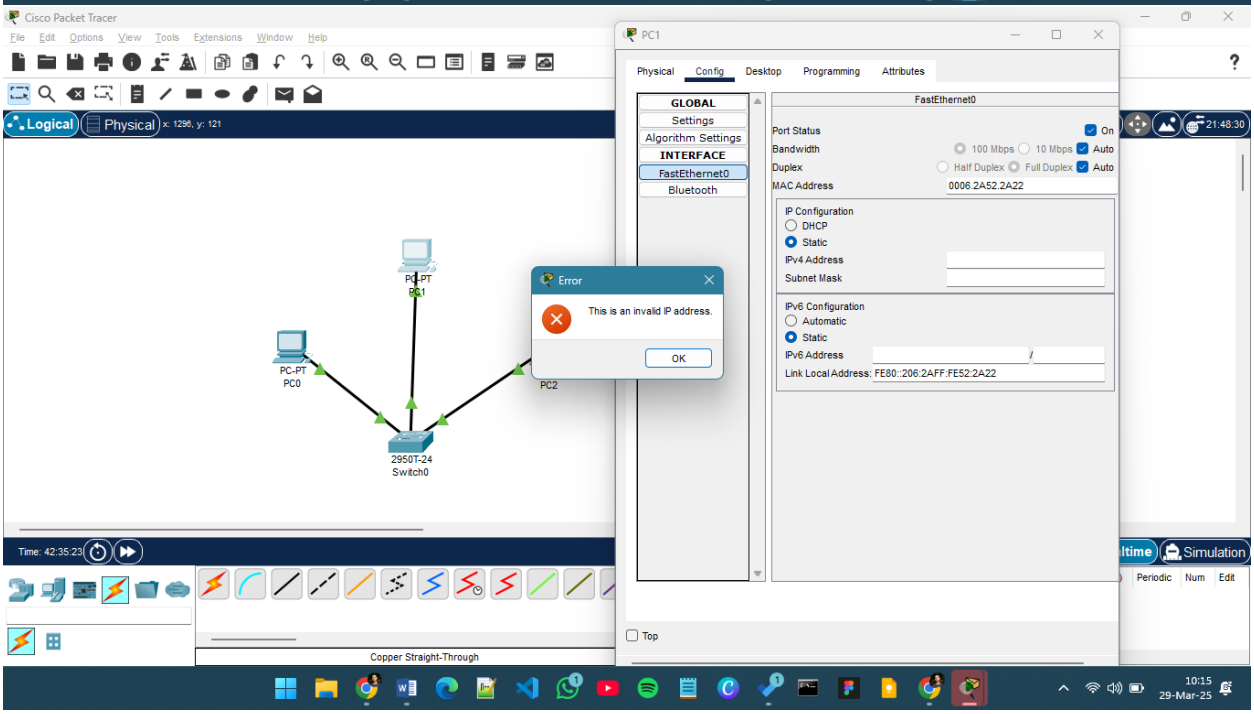
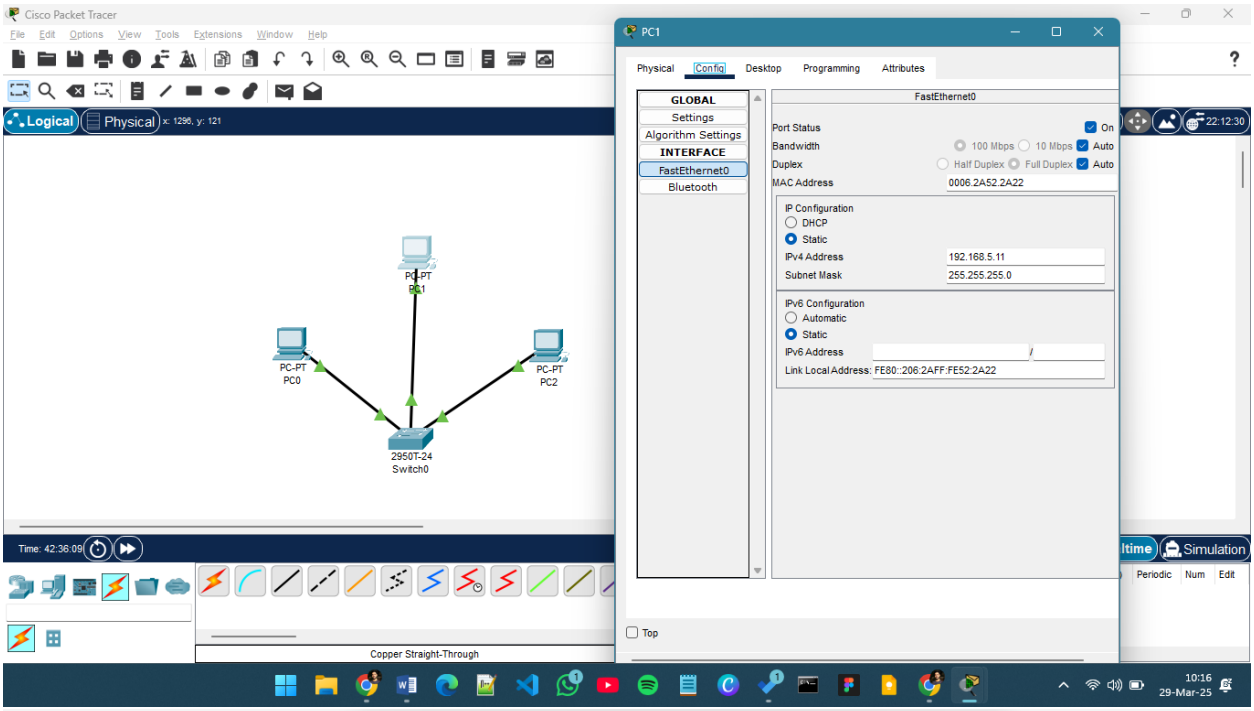
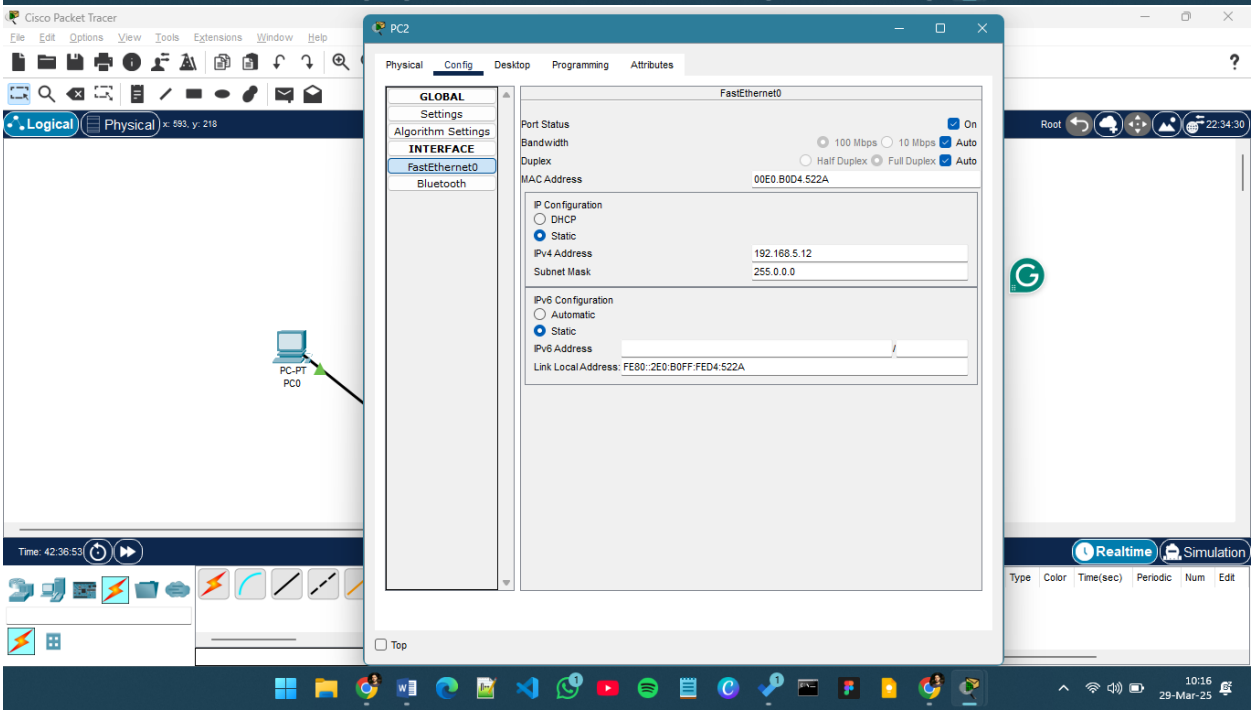
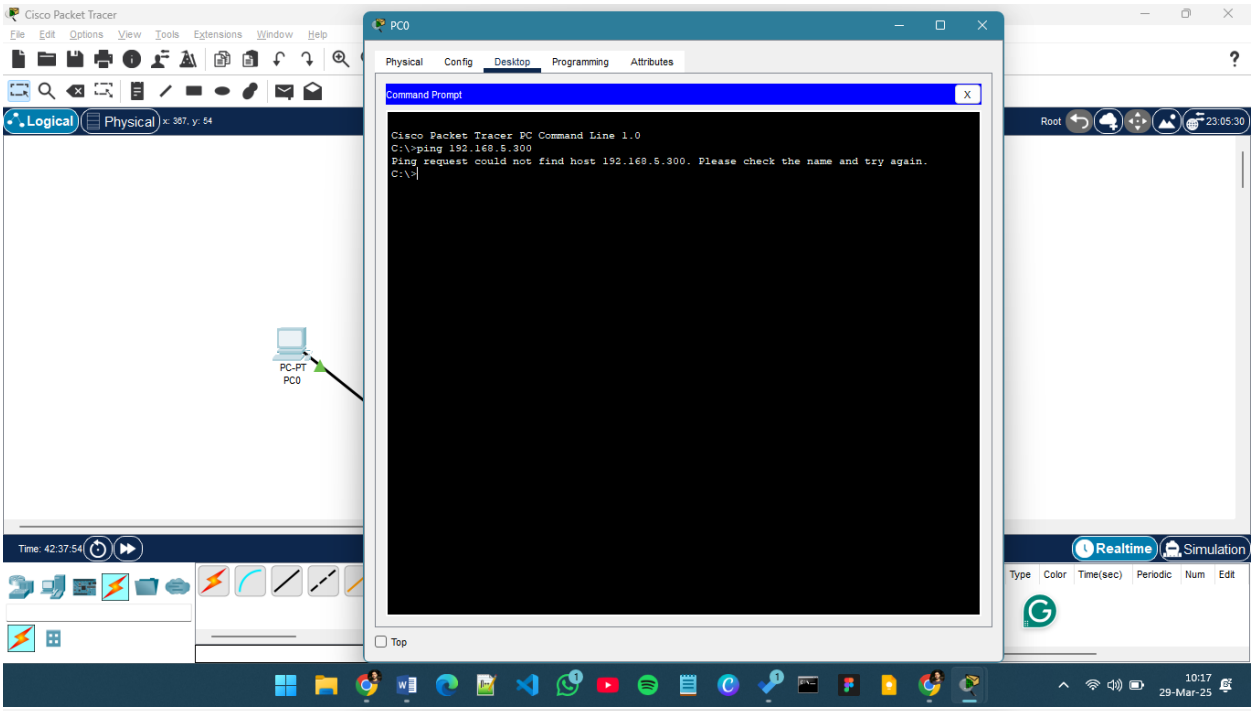
Packet Tracer Task

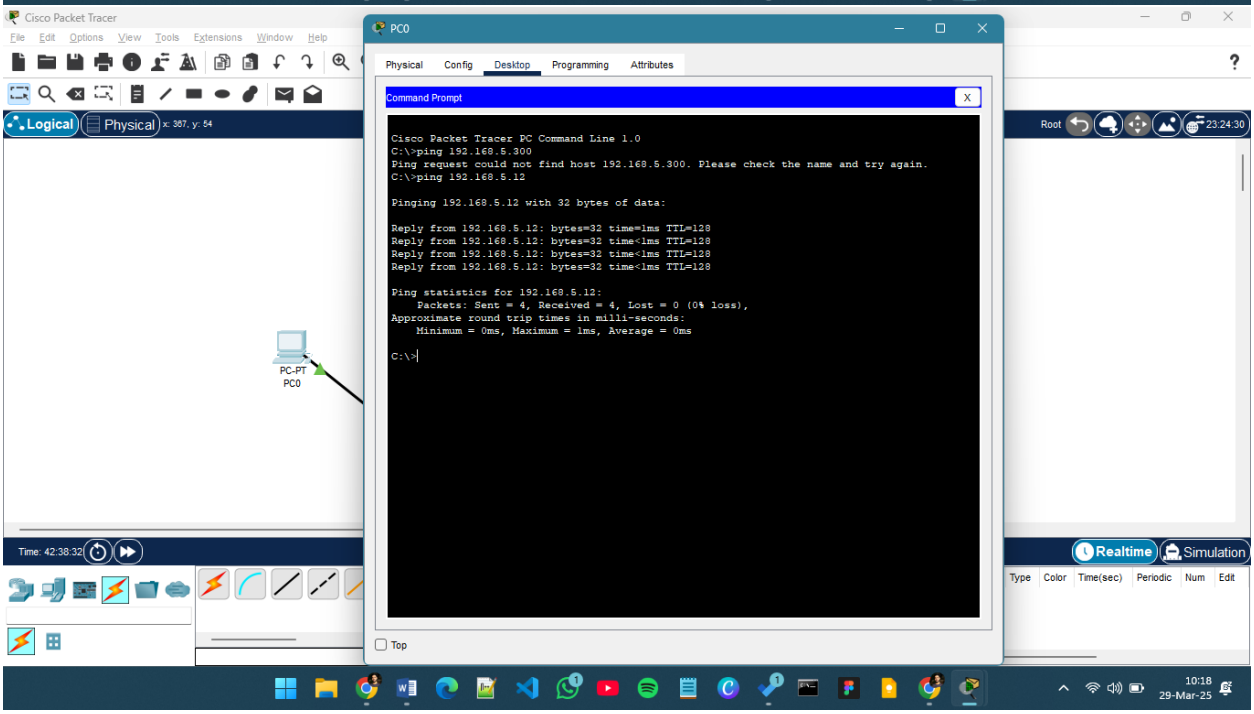


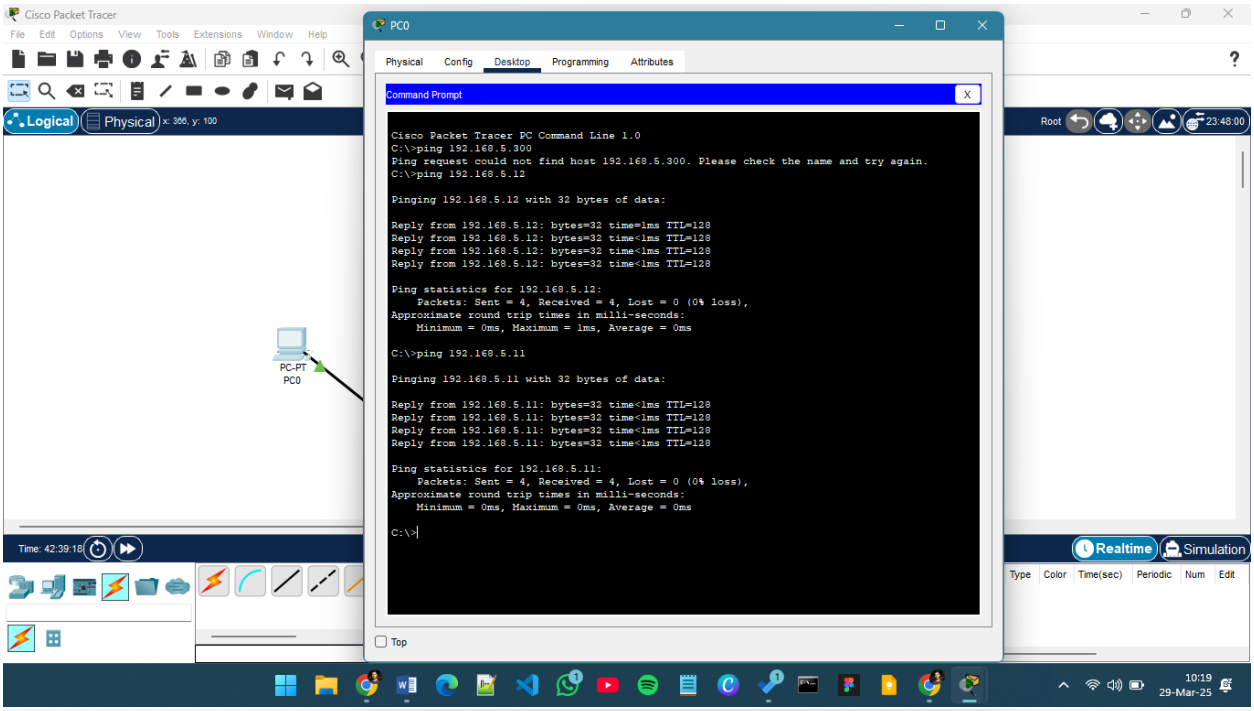


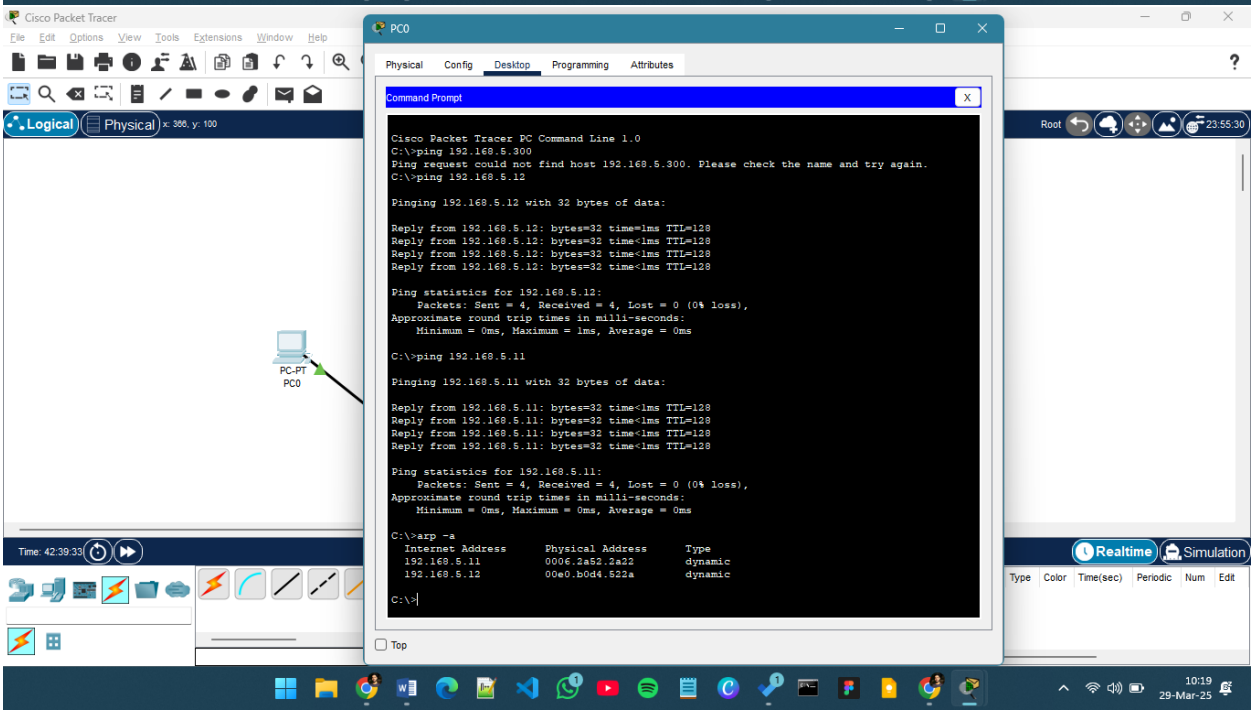

Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical x: 1296, y: 121
PC-PT PC1
PC-PT PC0
PC-PT PC2
2950T-24 Switch0
Time: 42:36:09
Copper Straight-Through
PC1
Physical Config Desktop Programming Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
FastEthernet0
Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 0006.2A52.2A22
IP Configuration
DHCP
Static
IPv4 Address 192.168.5.11
Subnet Mask 255.255.255.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address: FE80::206:2AFF:FE52:2A22
Top
Realtime Simulation
Periodic Num Edit
10:16
29-Mar-25

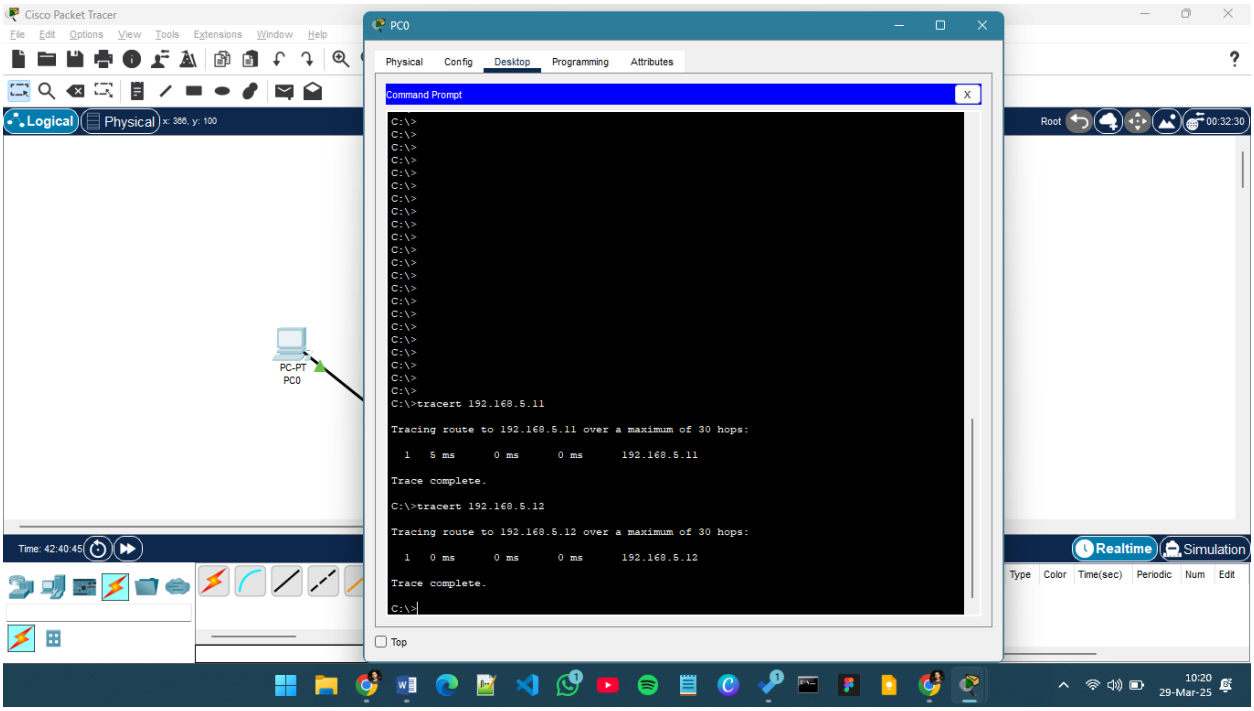

Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical x: 593, y: 218
Root
22:34:30
PC-PT PC0
Time: 42:36:53
PC2
Physical Config Desktop Programming Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
FastEthernet0
Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 00E0.B0D4.522A
IP Configuration
DHCP
Static
IPv4 Address 192.168.5.12
Subnet Mask 255.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address: FE80::2E0:B0FF:FED4:522A
Top
Realtime Simulation
Type Color Time(sec) Periodic Num Edit
10:16
29-Mar-25


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical x: 387, y: 54
Root 23:05:30
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.5.300
Ping request could not find host 192.168.5.300. Please check the name and try again.
C:\>
Top
PC-PT PC0
Time: 42:37:54
Realtime Simulation
Type Color Time(sec) Periodic Num Edit
10:17 29-Mar-25


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical x: 387, y: 54
Root 23:24:30
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.5.300
Ping request could not find host 192.168.5.300. Please check the name and try again.
C:\>ping 192.168.5.12
Pinging 192.168.5.12 with 32 bytes of data:
Reply from 192.168.5.12: bytes=32 time=1ms TTL=128
Reply from 192.168.5.12: bytes=32 time<1ms TTL=128
Reply from 192.168.5.12: bytes=32 time<1ms TTL=128
Reply from 192.168.5.12: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.5.12:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
Top
PC-PT PC0
Time: 42:38:32
Realtime Simulation
Type Color Time(sec) Periodic Num Edit
10:18 29-Mar-25


Cisco Packet Tracer
PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.5.300
Ping request could not find host 192.168.5.300. Please check the name and try again.
C:\>ping 192.168.5.12
Pinging 192.168.5.12 with 32 bytes of data:
Reply from 192.168.5.12: bytes=32 time=1ms TTL=128
Reply from 192.168.5.12: bytes=32 time<1ms TTL=128
Reply from 192.168.5.12: bytes=32 time<1ms TTL=128
Reply from 192.168.5.12: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.5.12:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 192.168.5.11
Pinging 192.168.5.11 with 32 bytes of data:
Reply from 192.168.5.11: bytes=32 time<1ms TTL=128
Reply from 192.168.5.11: bytes=32 time<1ms TTL=128
Reply from 192.168.5.11: bytes=32 time<1ms TTL=128
Reply from 192.168.5.11: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.5.11:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
Top
Logical
Physical
Realtime
Simulation
PC-PT
PC0


Cisco Packet Tracer
PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.5.300
Ping request could not find host 192.168.5.300. Please check the name and try again.
C:\>ping 192.168.5.12
Pinging 192.168.5.12 with 32 bytes of data:
Reply from 192.168.5.12: bytes=32 time=1ms TTL=128
Reply from 192.168.5.12: bytes=32 time<1ms TTL=128
Reply from 192.168.5.12: bytes=32 time<1ms TTL=128
Reply from 192.168.5.12: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.5.12:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 192.168.5.11
Pinging 192.168.5.11 with 32 bytes of data:
Reply from 192.168.5.11: bytes=32 time<1ms TTL=128
Reply from 192.168.5.11: bytes=32 time<1ms TTL=128
Reply from 192.168.5.11: bytes=32 time<1ms TTL=128
Reply from 192.168.5.11: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.5.11:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>arp -a
Internet Address Physical Address Type
192.168.5.11 0006.2a52.2a22 dynamic
192.168.5.12 00e0.b0d4.522a dynamic
C:\>
Top
Logical
Physical
Realtime
Simulation
PC-PT
PC0



Final Comments:

Cisco doesn't allow to set invalid IP's or subnet masks in the first place, so we had to put correct IP and subnet masks for each PC.

Bonus:

To confirm connectivity without using **ping**, use **Tracert**. If the route is displayed, PC is reachable.