

Subnetting is the process of dividing a large network into smaller networks called subnets. Subnets provide each group of devices a space to communicate with each other.

Given IP range – 192.168.1.0-255/24

No of subnets – $4 = 2^2$

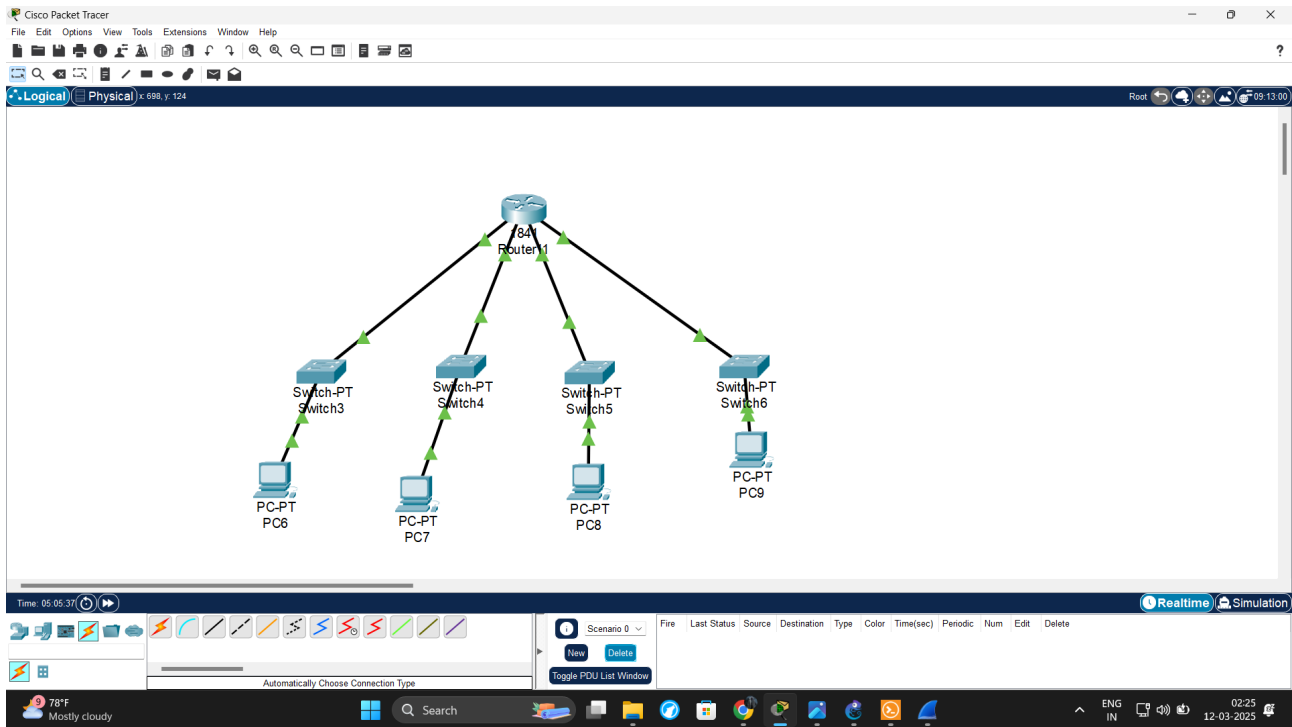
Subnet 1 range – 192.168.1.0-63/26

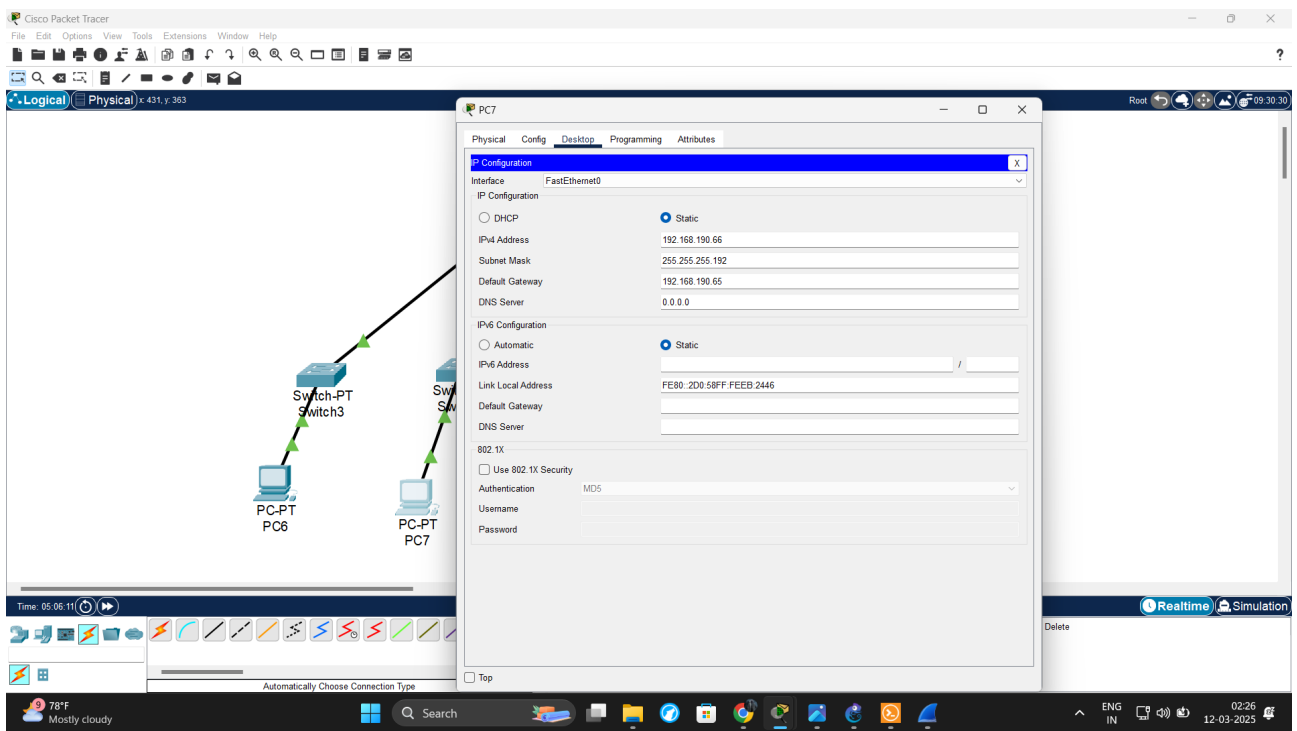
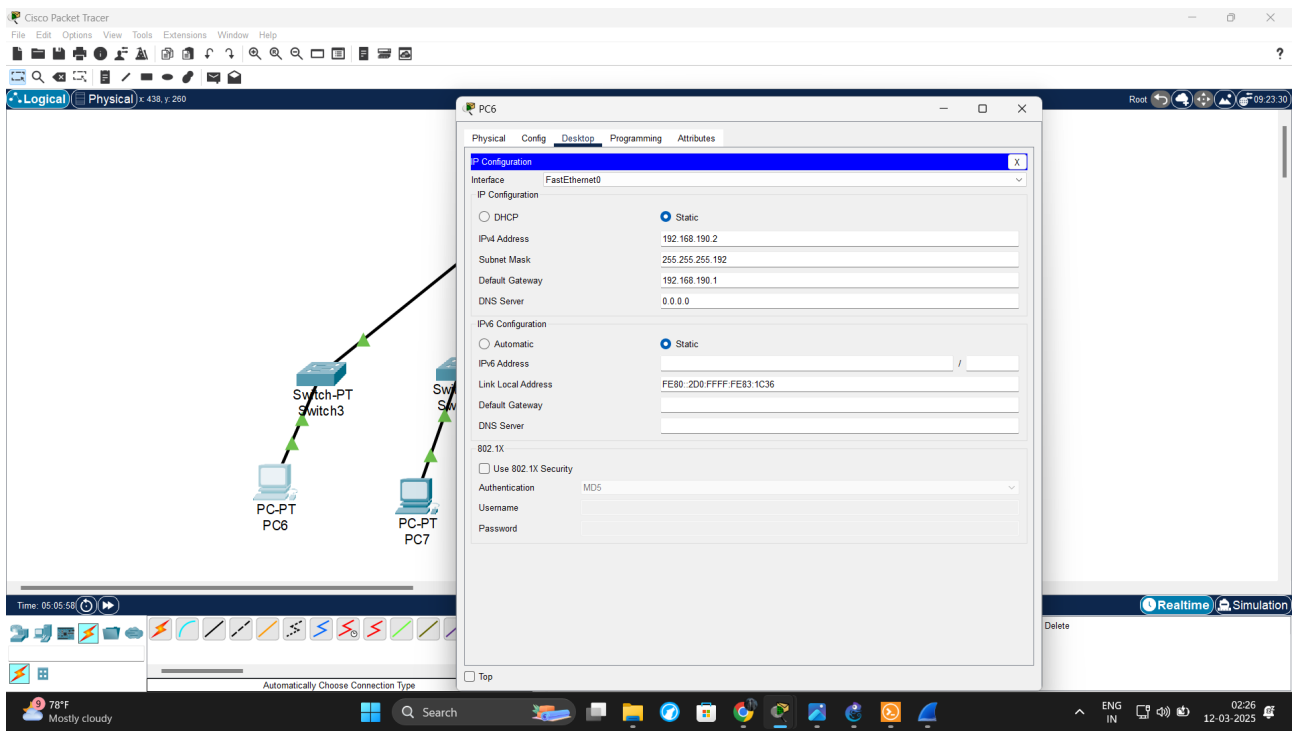
Subnet 2 range – 192.168.1.64-127/26

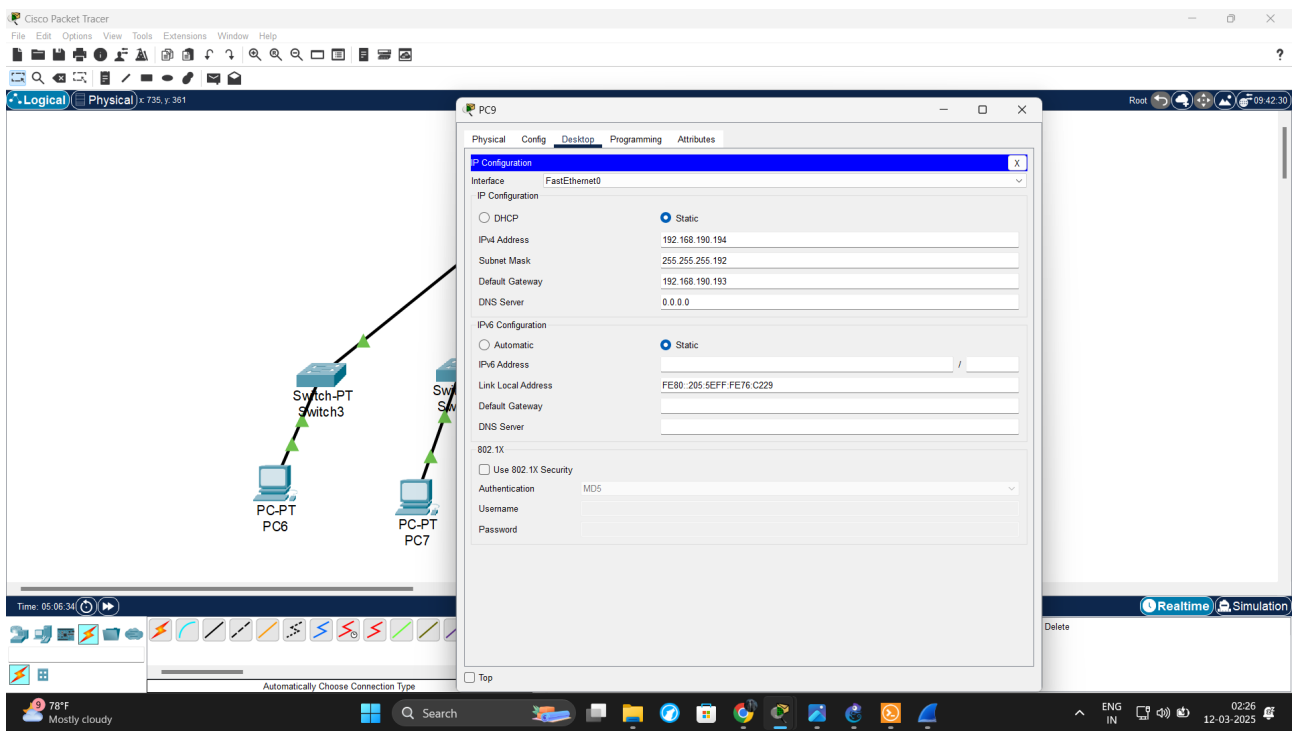
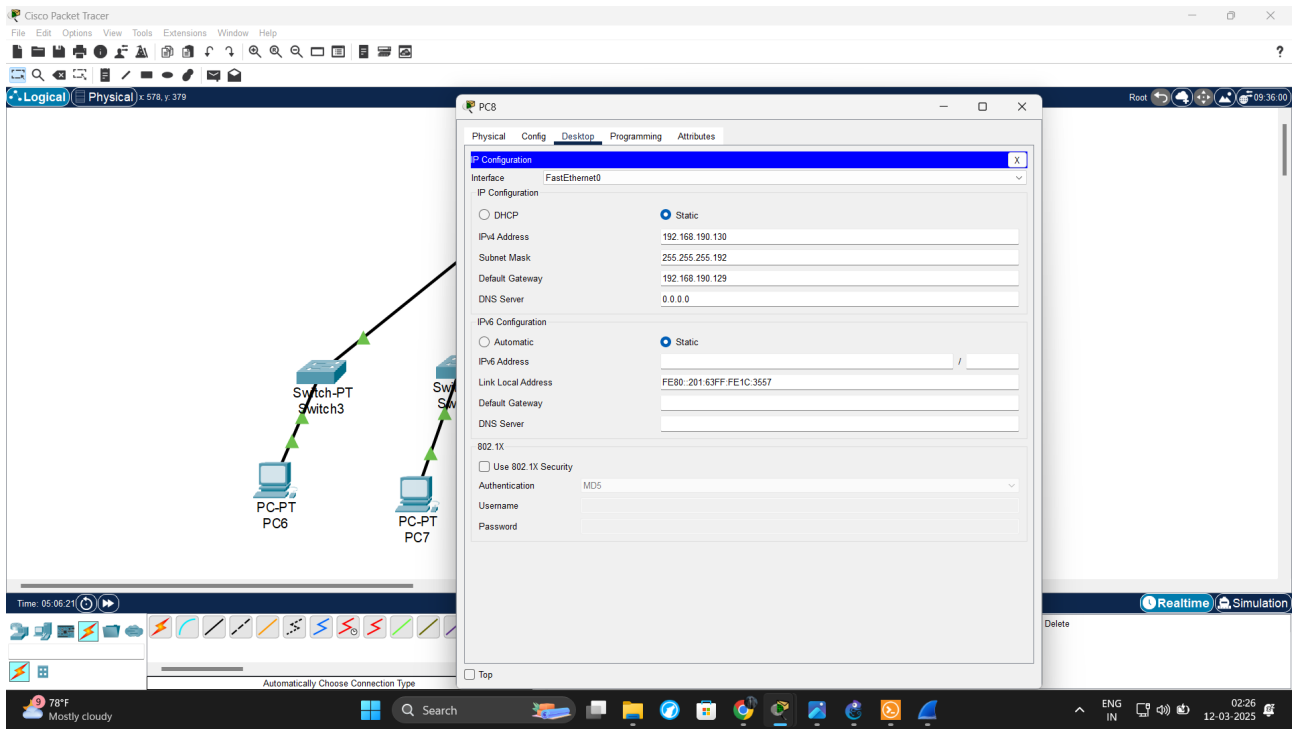
Subnet 3 range – 192.168.1.128-191/26

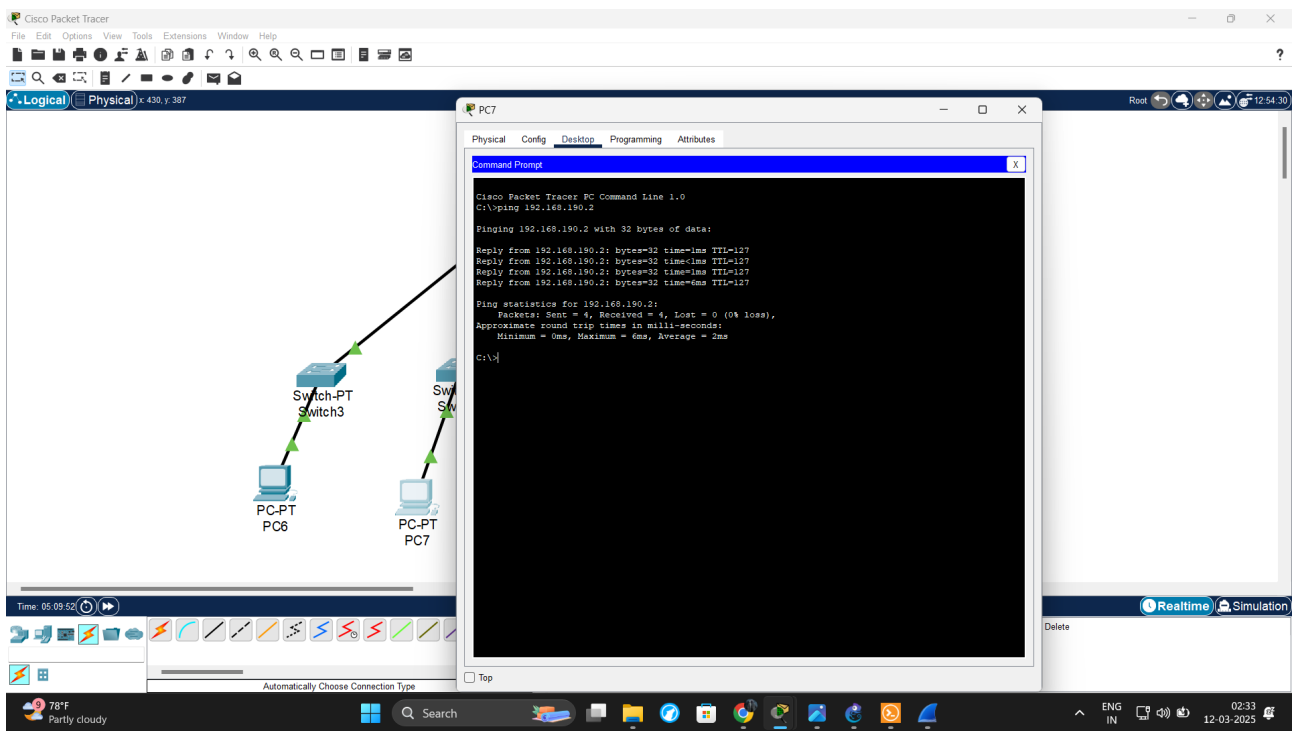
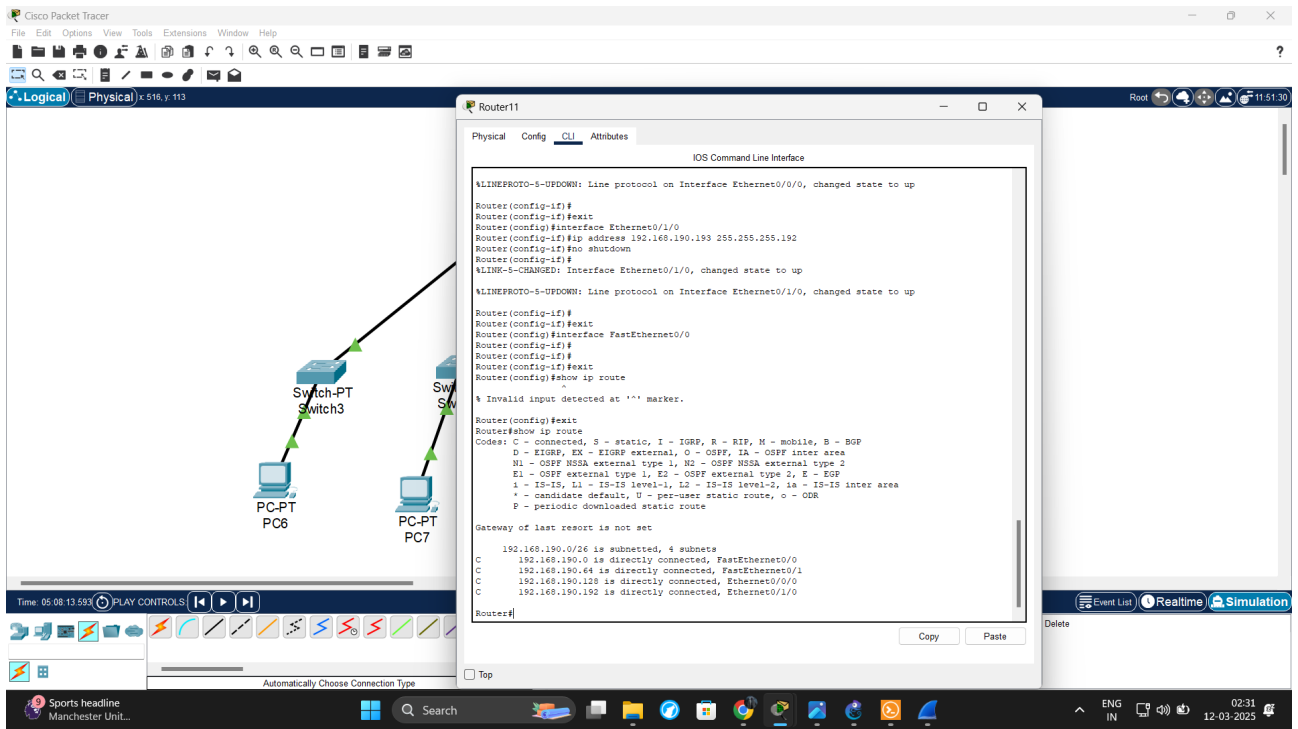
Subnet 4 range – 192.168.1.192-255/26

Subnet Mask – 255.255.255.192









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12-03-2025

Networking Training Program - Assignments Module 5

File Edit View Tools Help

3) Manual
verify co
4) Use Wir
and exp
5) Given a
Task: M
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6) You are
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PC7

Physical Config Desktop Programming Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.190.2

Pinging 192.168.190.2 with 32 bytes of data:
Reply from 192.168.190.2: bytes=32 time=1ms TTL=127
Reply from 192.168.190.2: bytes=32 time=1ms TTL=127
Reply from 192.168.190.2: bytes=32 time=1ms TTL=127
Reply from 192.168.190.2: bytes=32 time=6ms TTL=127

Ping statistics for 192.168.190.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 6ms, Average = 2ms

C:\>ping 192.168.190.130

Pinging 192.168.190.130 with 32 bytes of data:
Reply from 192.168.190.130: bytes=32 time<1ms TTL=127
Reply from 192.168.190.130: bytes=32 time<1ms TTL=127
Reply from 192.168.190.130: bytes=32 time<1ms TTL=127
Reply from 192.168.190.130: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.190.130:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.190.194

Pinging 192.168.190.194 with 32 bytes of data:
Reply from 192.168.190.194: bytes=32 time=17ms TTL=127
Reply from 192.168.190.194: bytes=32 time=12ms TTL=127
Reply from 192.168.190.194: bytes=32 time<1ms TTL=127
Reply from 192.168.190.194: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.190.194:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 17ms, Average = 7ms

C:\>

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