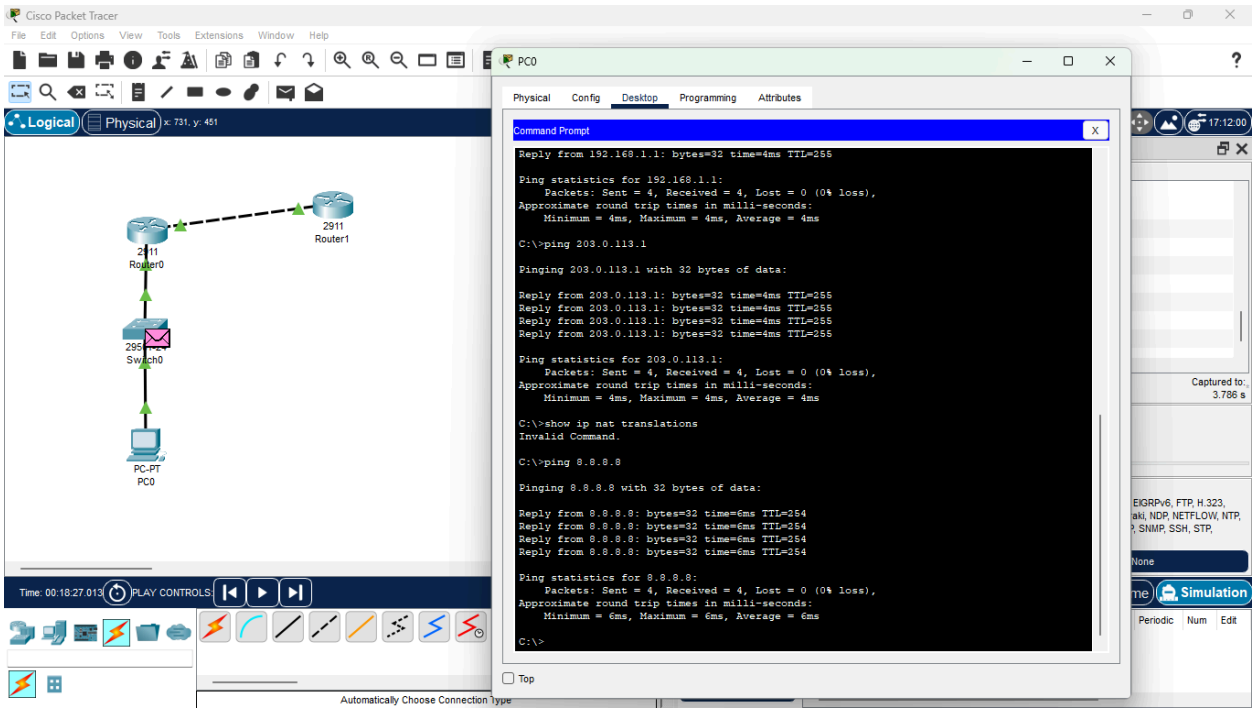
In cisco packet tracer , I have developed a network with

A Cisco router (e.g., 2911 model).
A switch
A PC
An external network (simulated by another router).

PC , Internal router & External Router are configured



Here The gateway , Router ip and external network are verified the connectivity

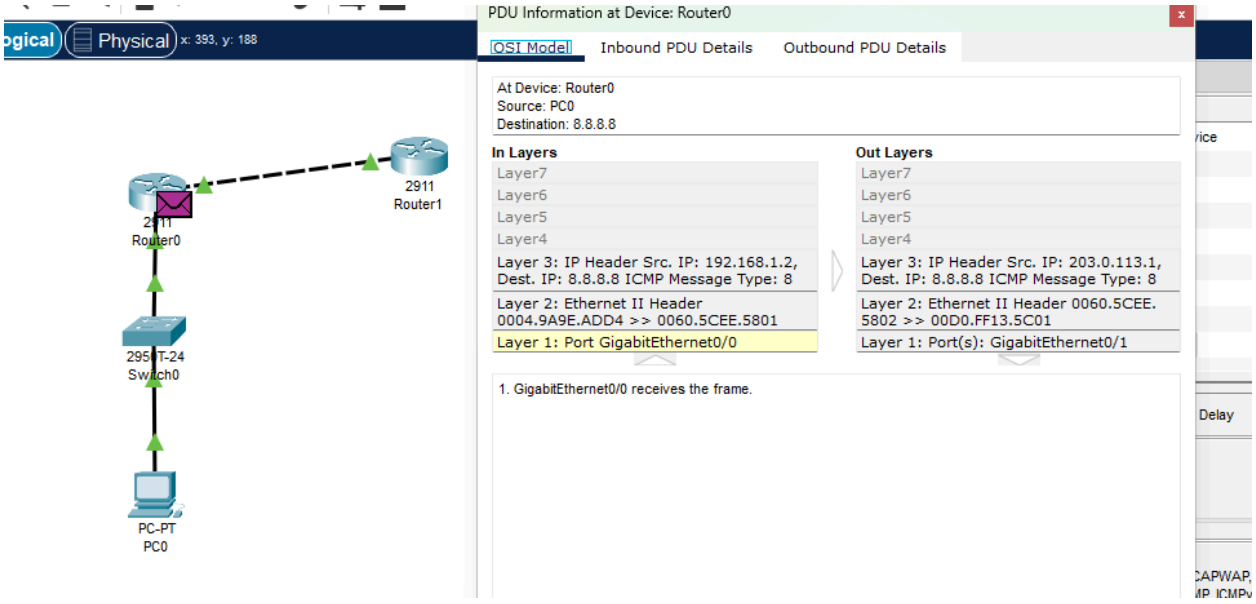
C:\>ping 192.168.1.1
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time=4ms TTL=255
Reply from 192.168.1.1: bytes=32 time=4ms TTL=255
Reply from 192.168.1.1: bytes=32 time=4ms TTL=255
Reply from 192.168.1.1: bytes=32 time=4ms TTL=255
Ping statistics for 192.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 4ms, Maximum = 4ms, Average = 4ms

C:\>ping 203.0.113.1
Pinging 203.0.113.1 with 32 bytes of data:
Reply from 203.0.113.1: bytes=32 time=4ms TTL=255

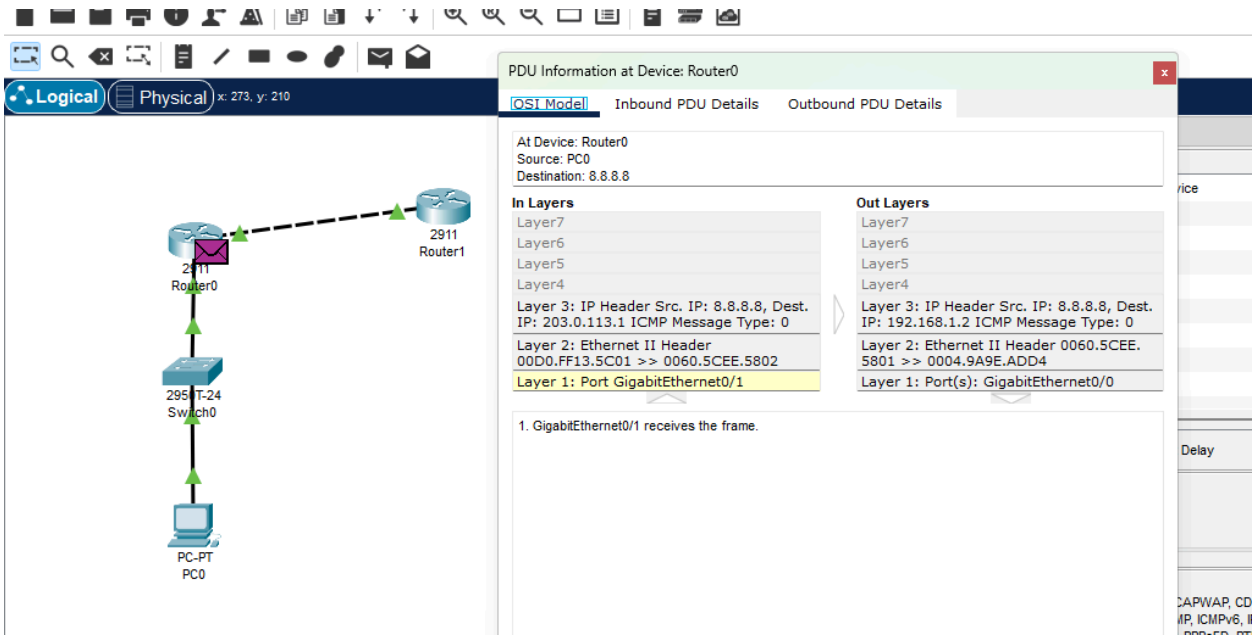
Reply from 203.0.113.1: bytes=32 time=4ms TTL=255
Reply from 203.0.113.1: bytes=32 time=4ms TTL=255
Reply from 203.0.113.1: bytes=32 time=4ms TTL=255
Ping statistics for 203.0.113.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 4ms, Maximum = 4ms, Average = 4ms

C:\>ping 8.8.8.8
Pinging 8.8.8.8 with 32 bytes of data:
Reply from 8.8.8.8: bytes=32 time=6ms TTL=254
Reply from 8.8.8.8: bytes=32 time=6ms TTL=254
Reply from 8.8.8.8: bytes=32 time=6ms TTL=254
Reply from 8.8.8.8: bytes=32 time=6ms TTL=254
Ping statistics for 8.8.8.8:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 6ms, Maximum = 6ms, Average = 6ms

Before NAT , while passing the packet
The source IP is the private IP of the PC (192.168.1.2).



After NAT : The source IP is the public IP of the router’s external interface (203.0.113.1).



The “ show ip nat translations” command output is checked for verification