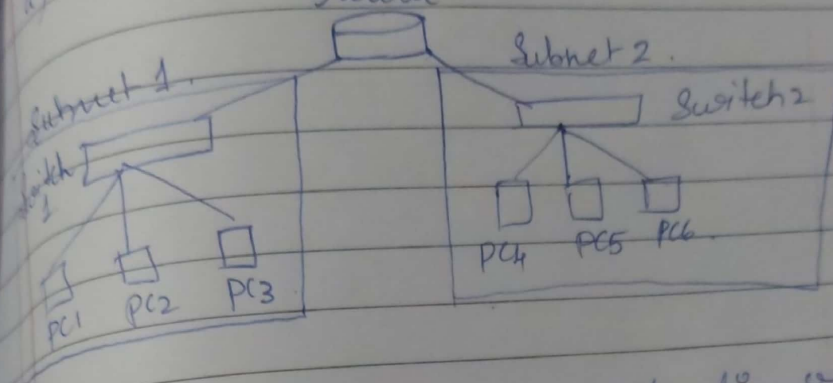


Practical-9.

Topic: Implementation of Subnetting in Cisco Packet Tracer Simulator

a) Draw your implementation of Subnetting



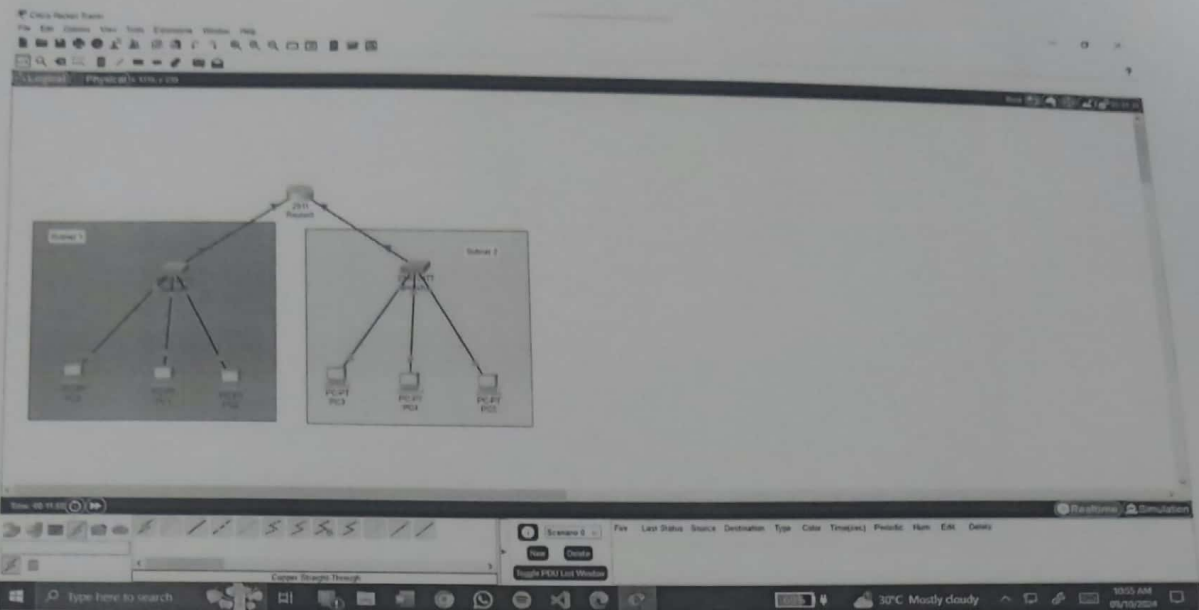
b) write down your understanding of Subnetting

Classless IP Subnetting is a technique that allows for more efficient use of IP address by allowing for subnet masks that are not just the default masks for each IP class.

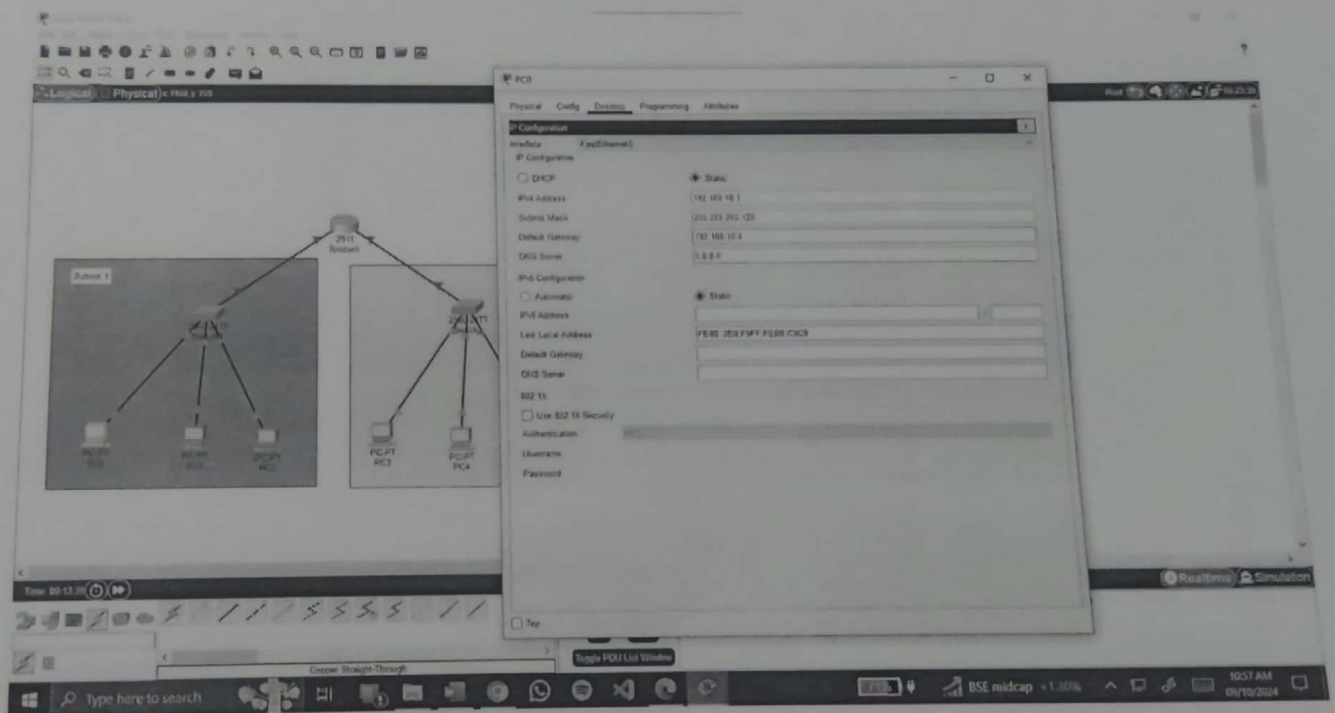
This ~~thence~~ means that we can divide our IP address space into smaller subnets, which can be useful when we have a limited number of IP addresses but need to create multiple networks.

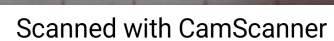
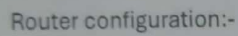
c) What is the advantage of implementing Subnetting?
 Subnetting is useful when we have a limited number of IP addresses but need to create multiple networks also enhance security.

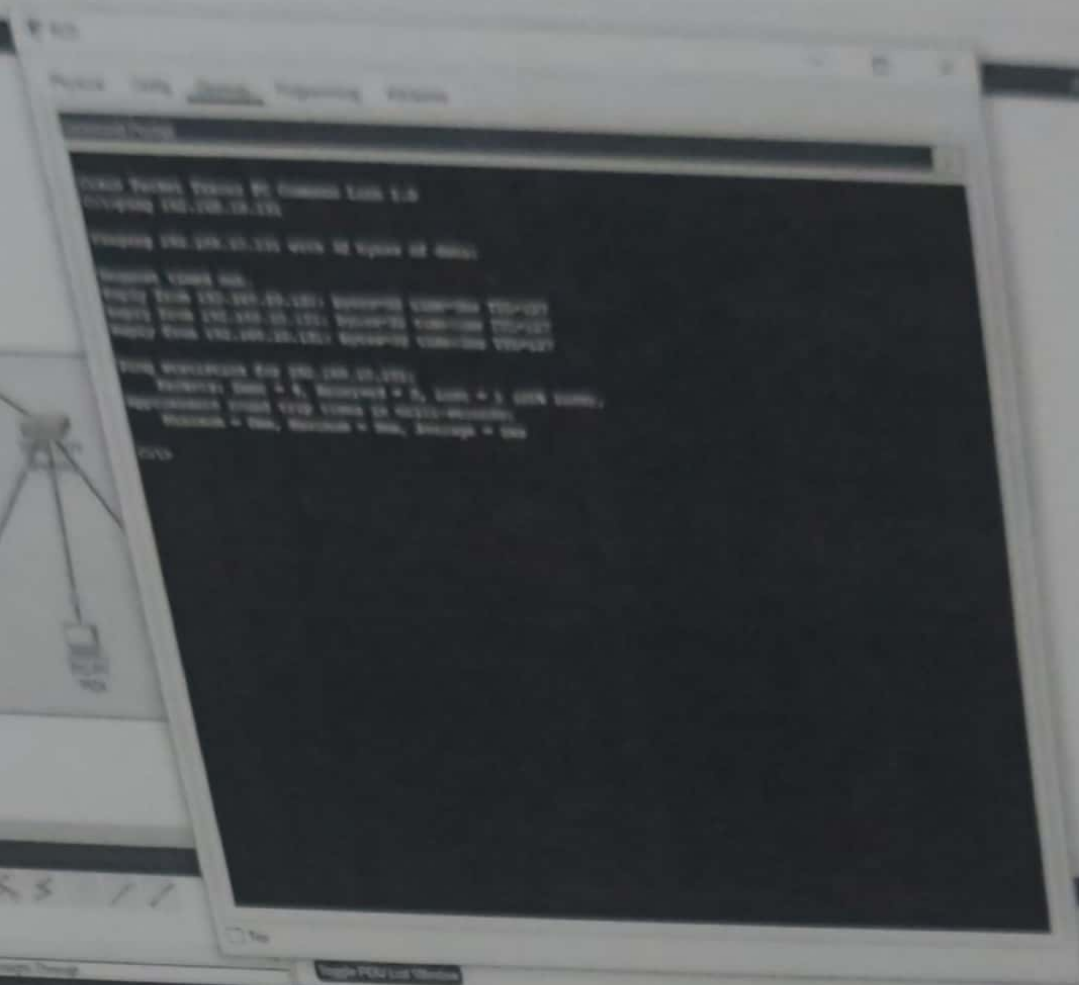
Topology:-



PC IP Address Configuration:-





[illegible]

[illegible]

Result:

Thus subnetting has been implemented in Cisco packet tracer & output is verified.

W
19/12