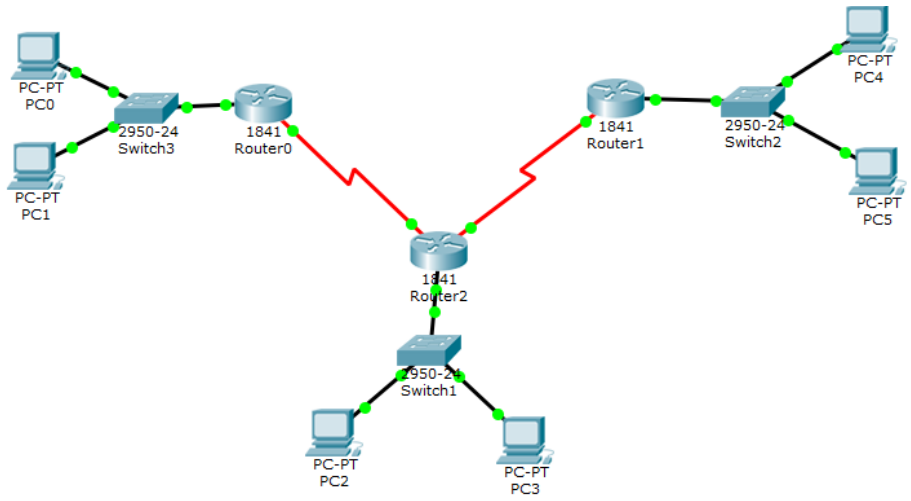
Project Name: Subnetting Implementation and Create a Network Using Subnetting from 192.168.10.0/27 IP Address.

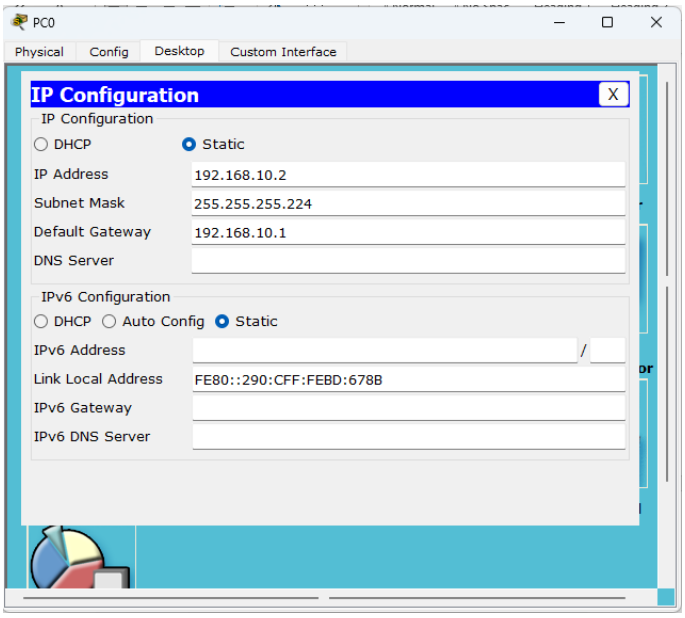
Subnetting Table

Network No.	Network Address	1st Usable Address	2nd Usable Address	Last Usable Address	Broadcast Address	Subnet Mask
1	192.168.10.0/27	192.168.10.1	192.168.10.0	192.168.10.0	192.168.10.0	255.255.255.224
2	192.168.10.32/27	192.168.10.0	192.168.10.0	192.168.10.0	192.168.10.0	255.255.255.224
3	192.168.10.64/27	192.168.10.0	192.168.10.0	192.168.10.0	192.168.10.0	255.255.255.224
4	192.168.10.96/27	192.168.10.0	192.168.10.0	192.168.10.0	192.168.10.0	255.255.255.224
5	192.168.10.128/27	192.168.10.0	192.168.10.0	192.168.10.0	192.168.10.0	255.255.255.224

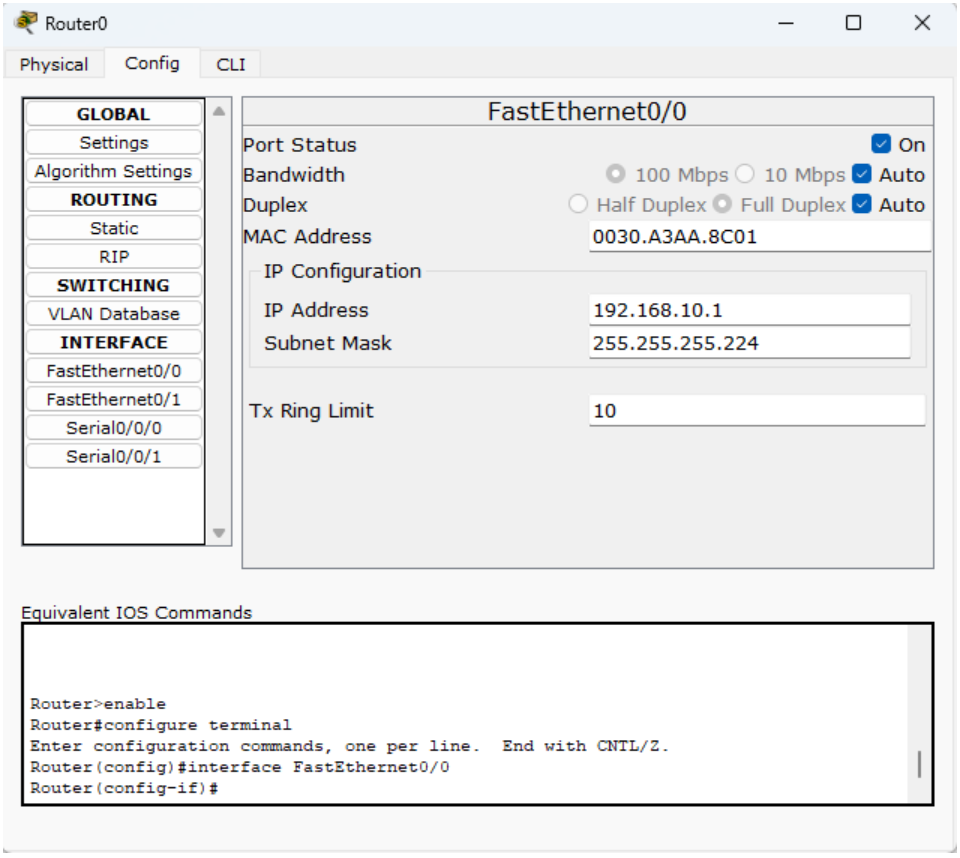
Connection Diagram of Network



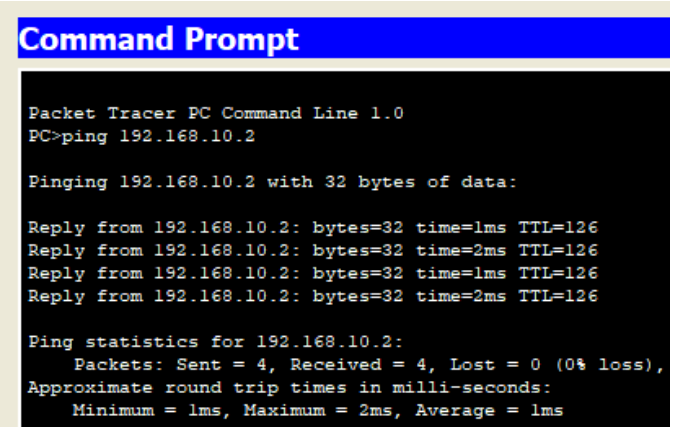
PC Configuration



Router Configuration



Verifying the network by pinging the IP address



Simulation Result

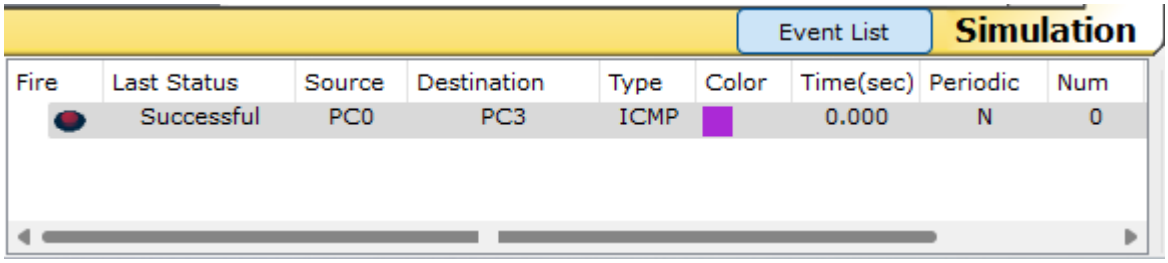


Fig 3.6 Output of the simulation