

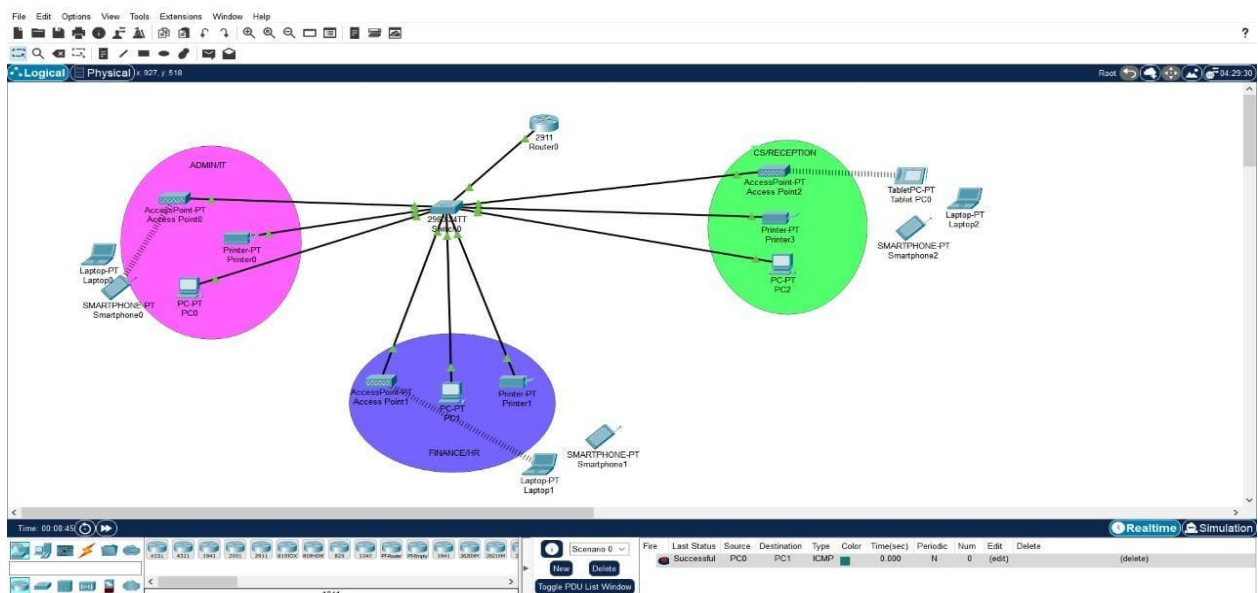
Ch.varshitha

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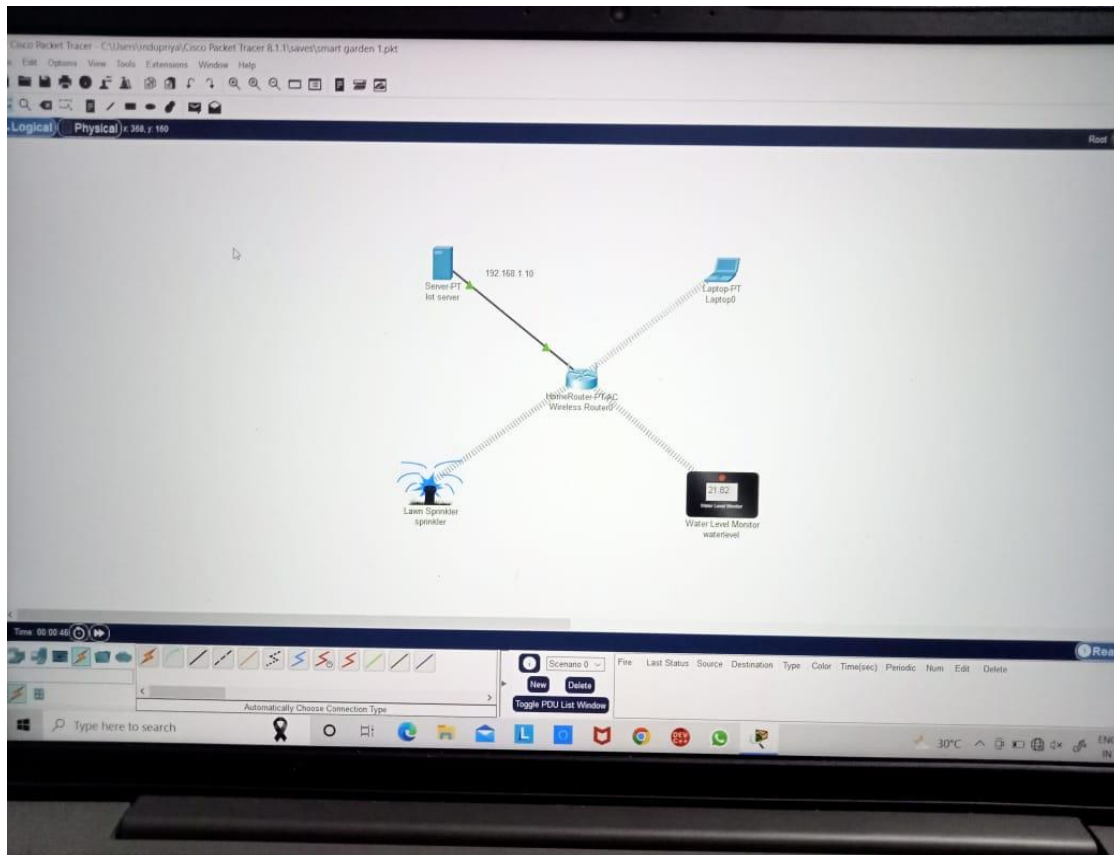
CSA0716-COMPUTER NETWORKS

LAB PRACTICES(ASSIGNMENTS)

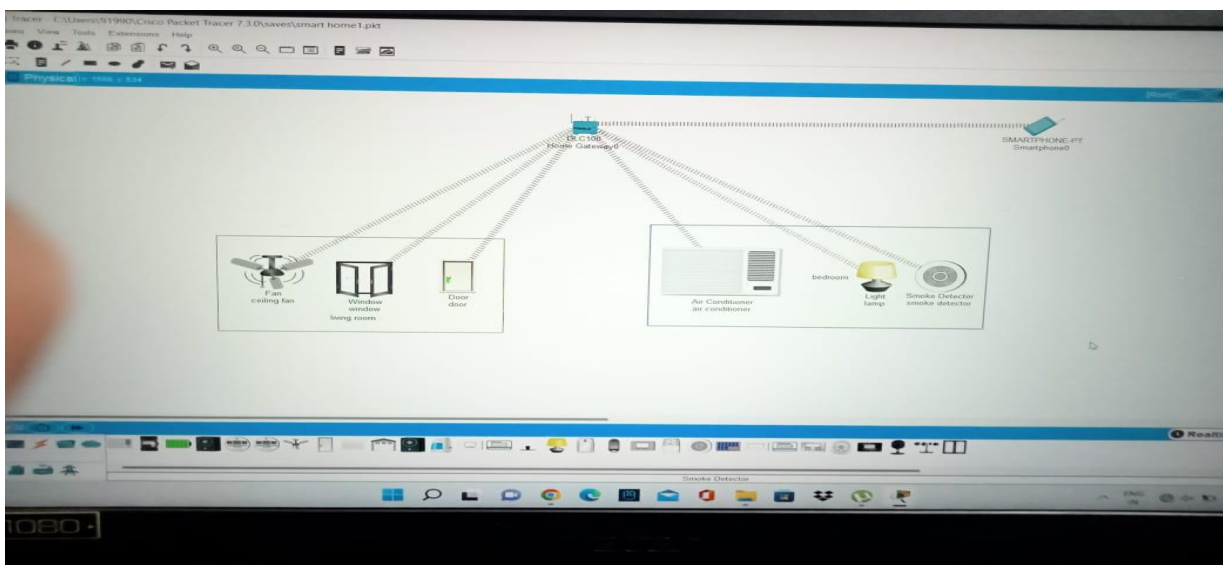
EXP - Construct a network for 3 companies with wired and wireless routers using Cisco Packet Tracer



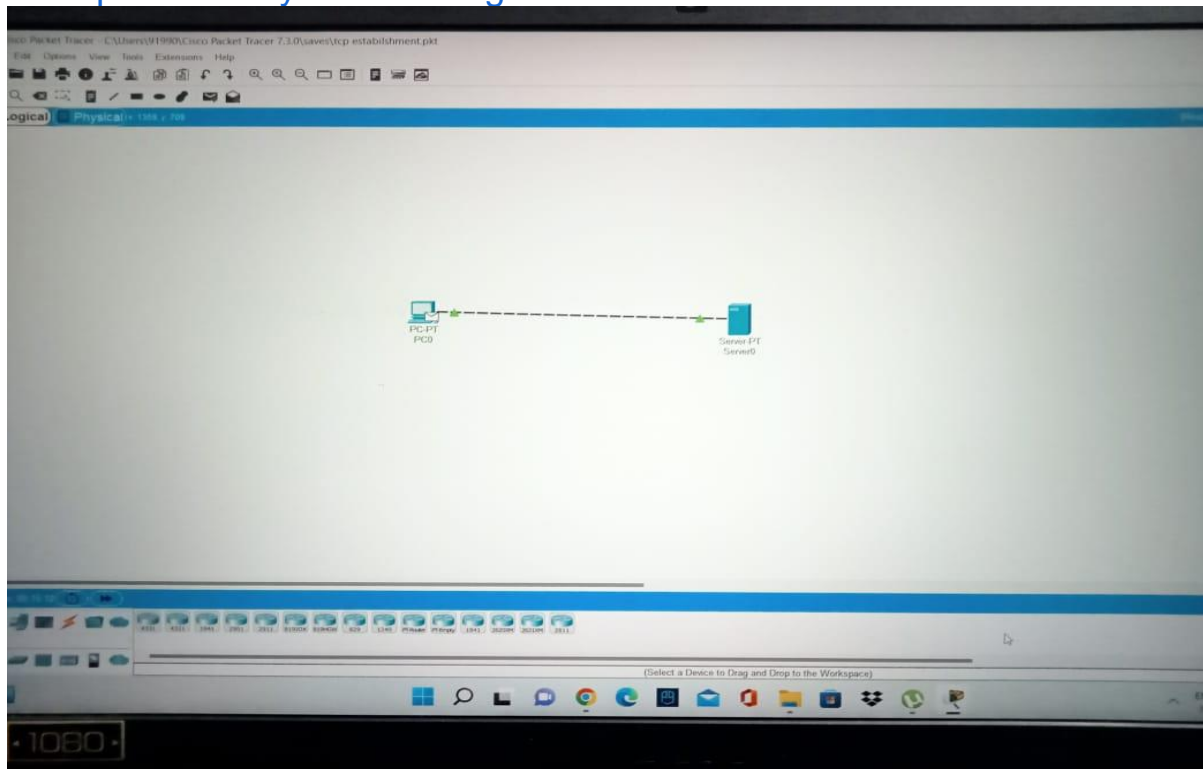
EXP - Implement a network to automate the water sprinkler in garden using Cisco Packet Tracer



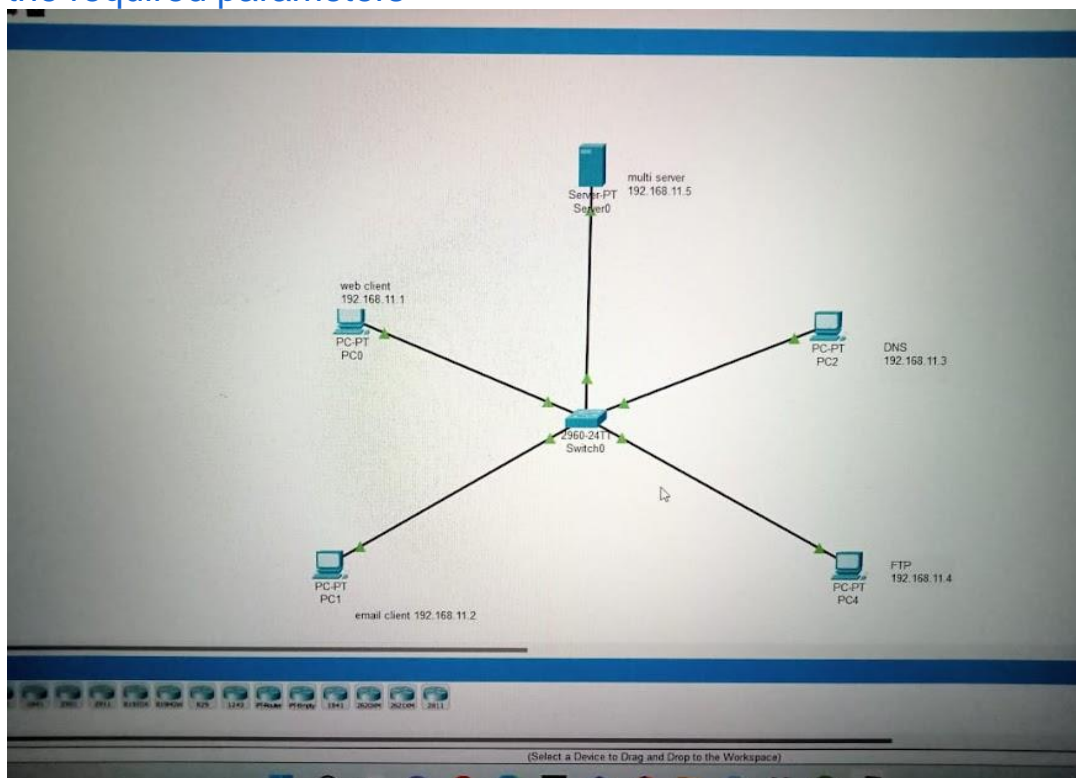
EXP - Construct a network to automate the window, fan and smoke detector using Cisco Packet Tracer



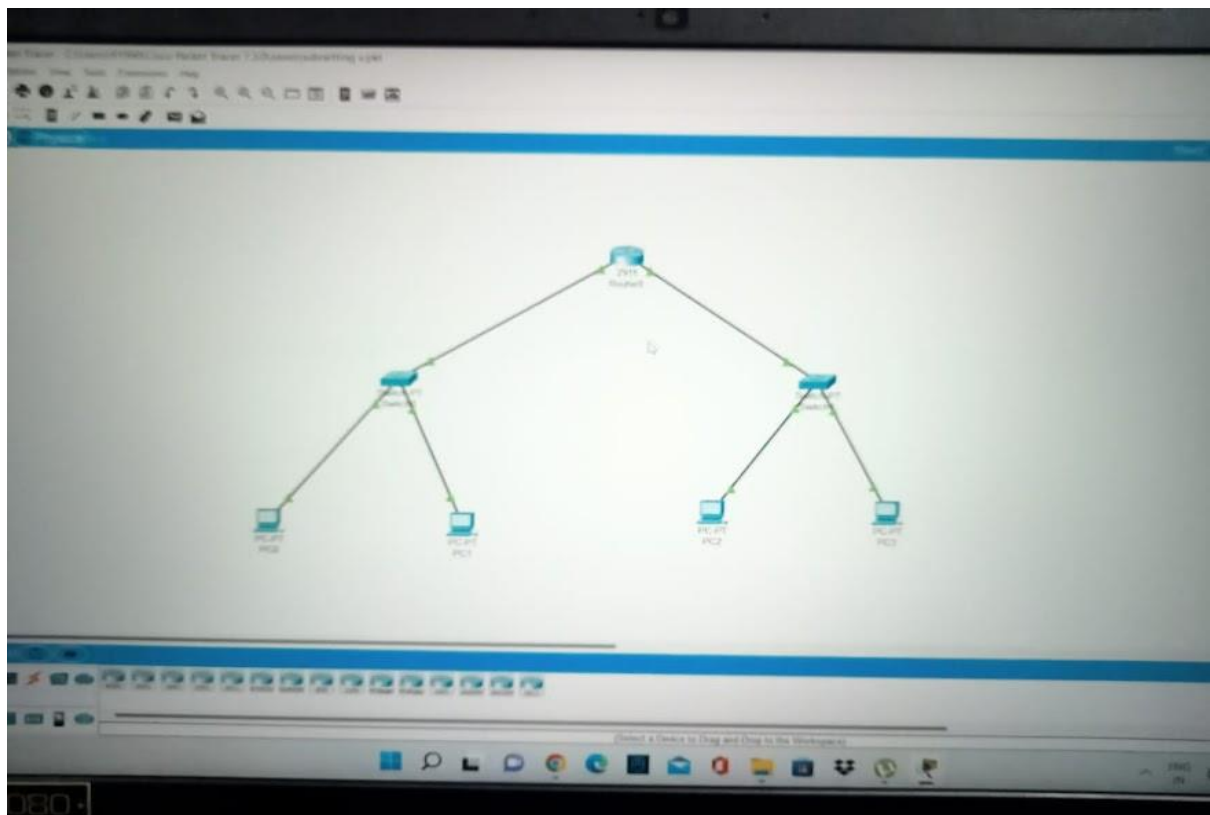
EXP : Create a scenario to analyse the performance of the TCP and UDP protocols by establishing a session between client and server.



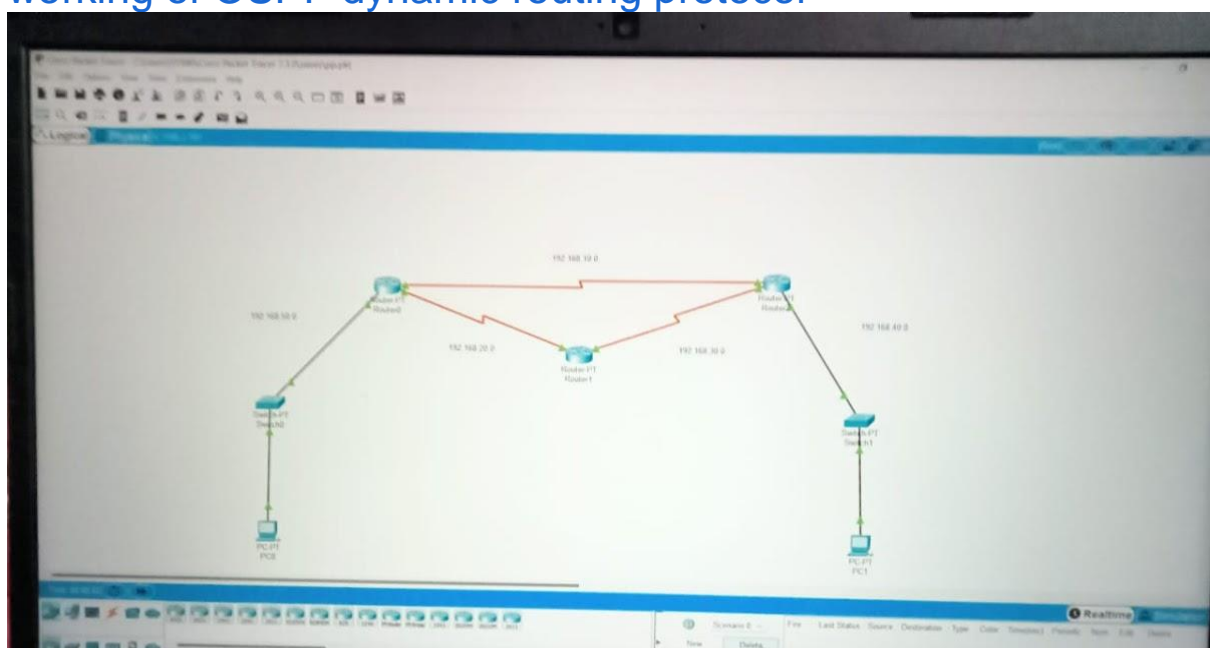
EXP : In a network simulator, create a scenario to analyse the performance of the TCP and UDP protocols and use relevant parameters to configure DNS, FTP, Web, and Email Servers. Assume the required parameters



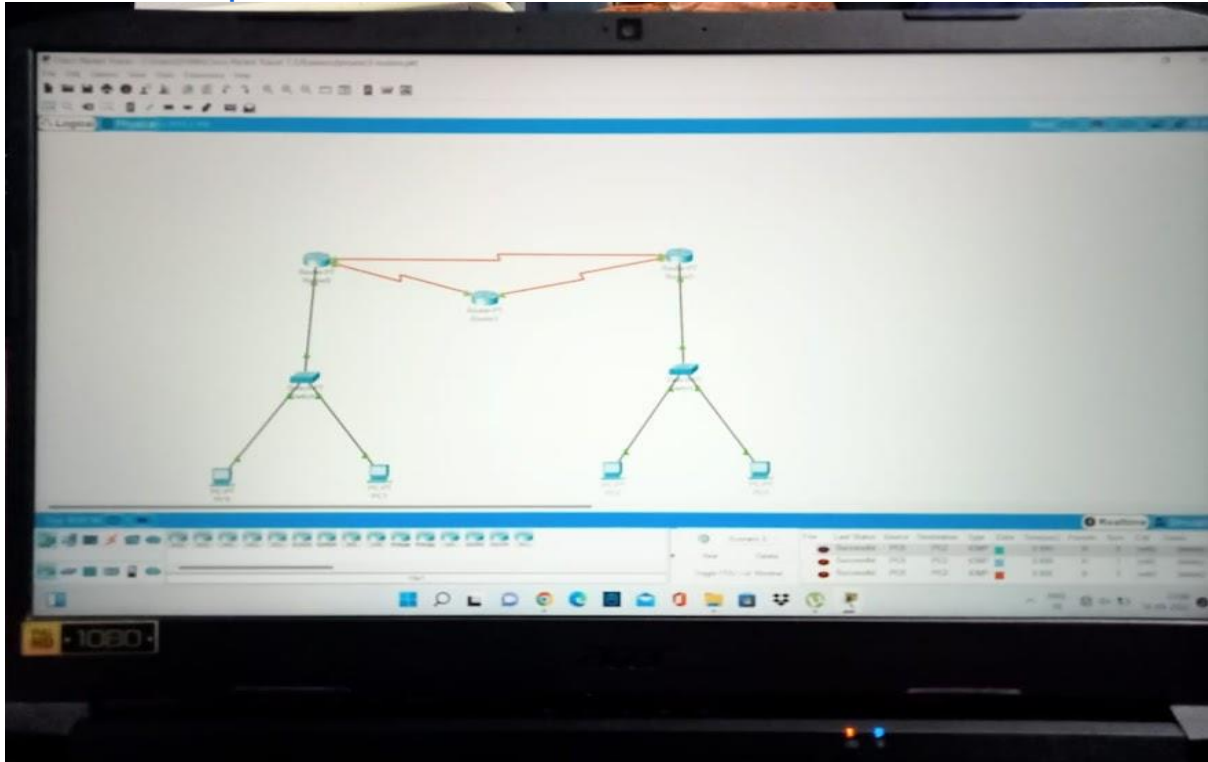
EXP 13 Construct a LAN network with 4 subnets with 1 routers using Packet Tracer



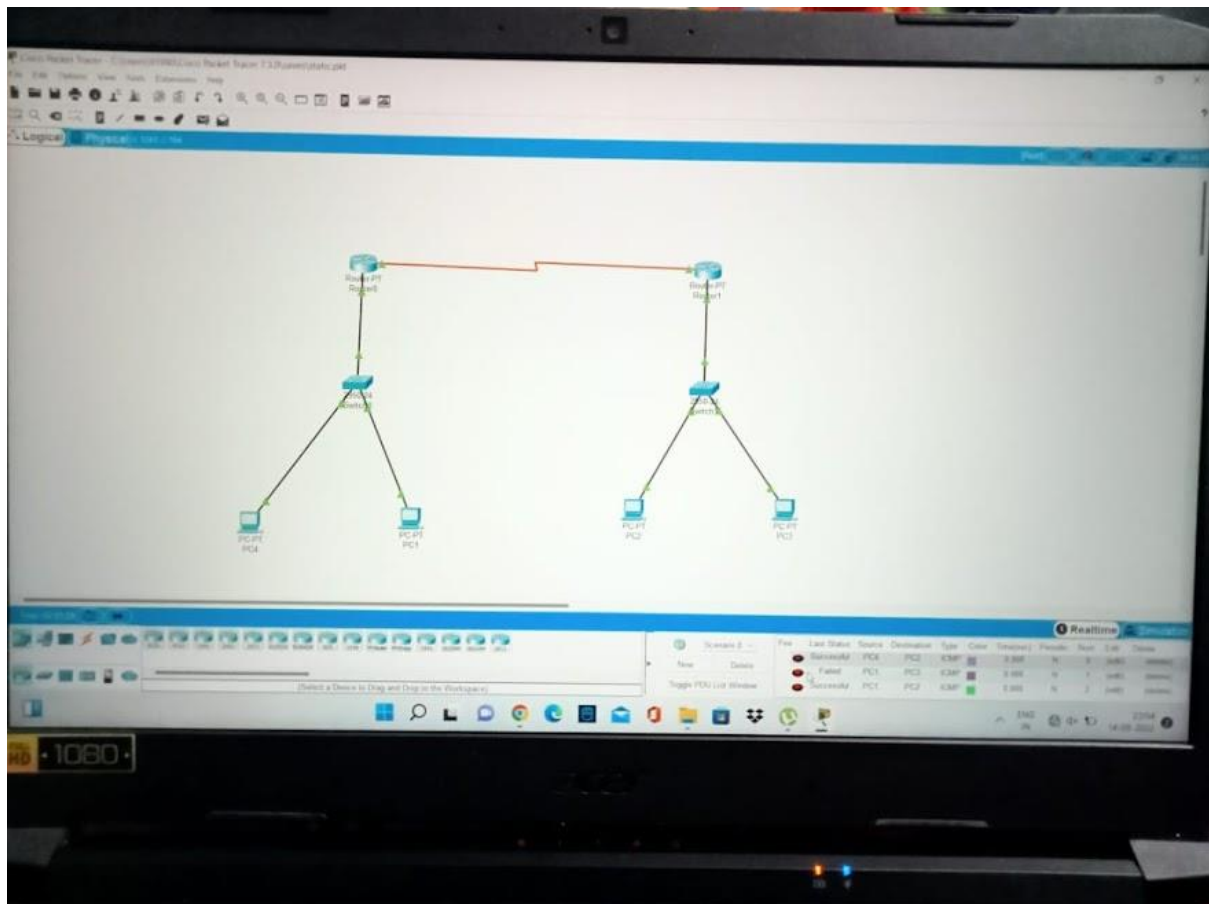
EXP 12 Using Packet tracer, create a network topology with 4 subnets and 2 routers . Use generic routers with appropriate configurations and IP addresses. Demonstrate the principle of working of OSPF dynamic routing protocol



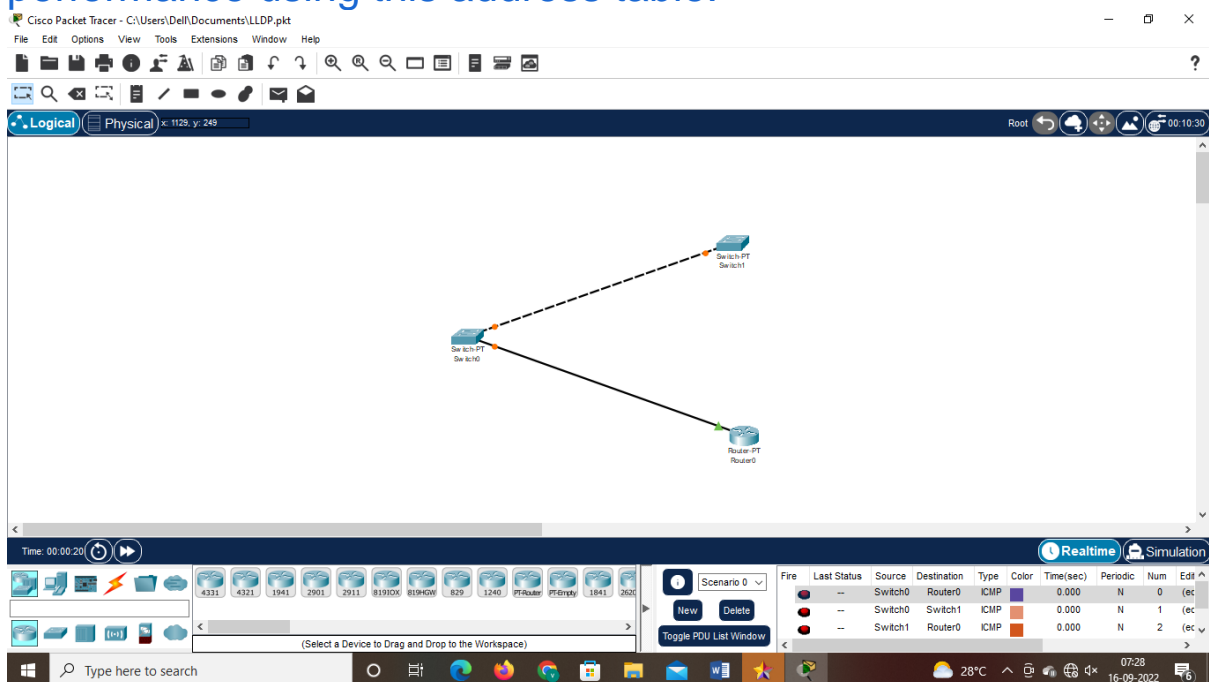
EXP -11 Using Packet tracer, create a network topology as shown in the below diagram. Use generic routers with appropriate configurations and IP addresses as given in the diagram and demonstrate the principle of working of routing information protocol.



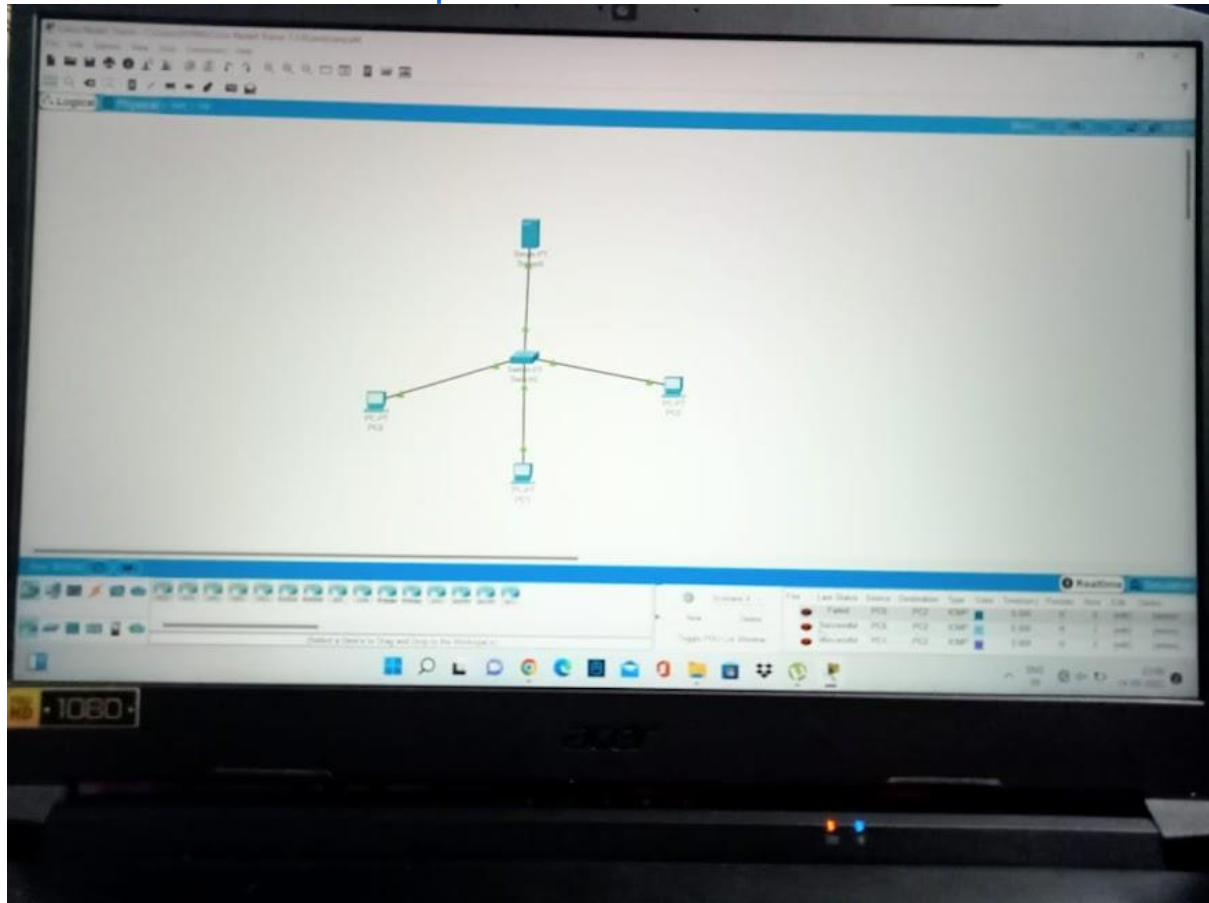
EXP 10 Using Packet tracer, create a network of 4 computers, where pairs of computers exist on the same network. The computers in the same network should be connected through a PT switch and the two switches should be connected through two generic routers. Use appropriate connection links and provide, proper configuration of IP addresses, default gateway, subnet mask and show that the communication between any two computers, in different networks are successful. Use the principle of static routing



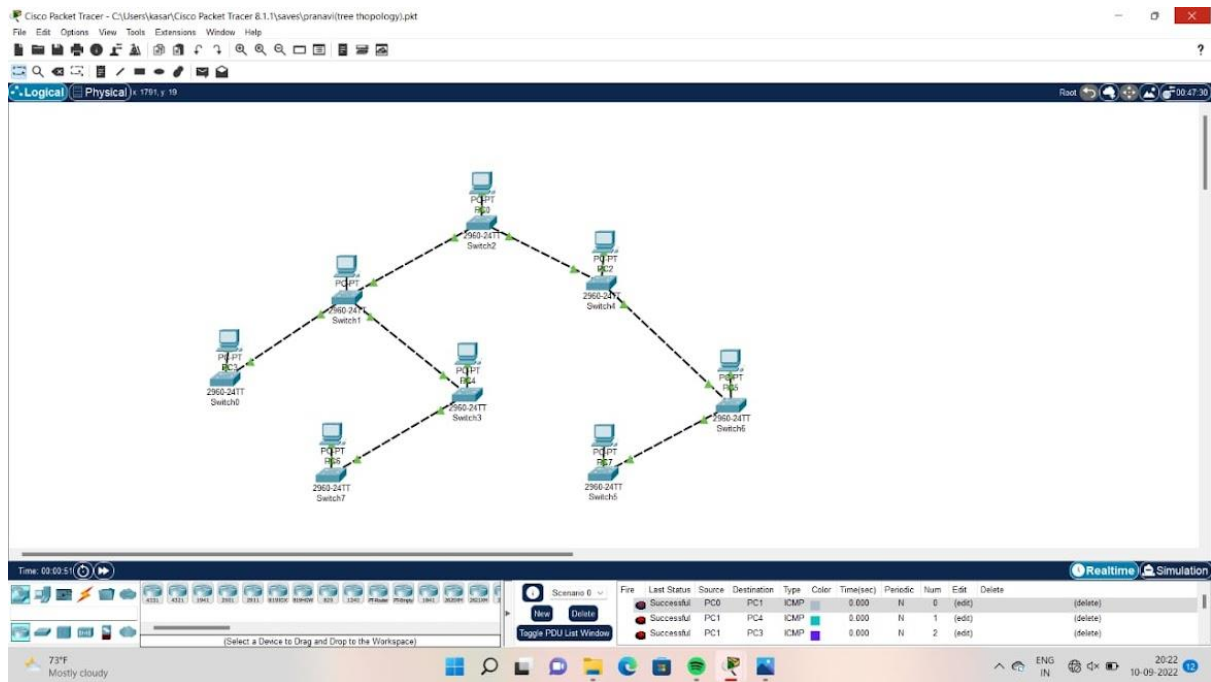
EXP -9 Create a scenario in which you configure a Link Layer Discovery Protocol for the given topology and analyse network performance using this address table.



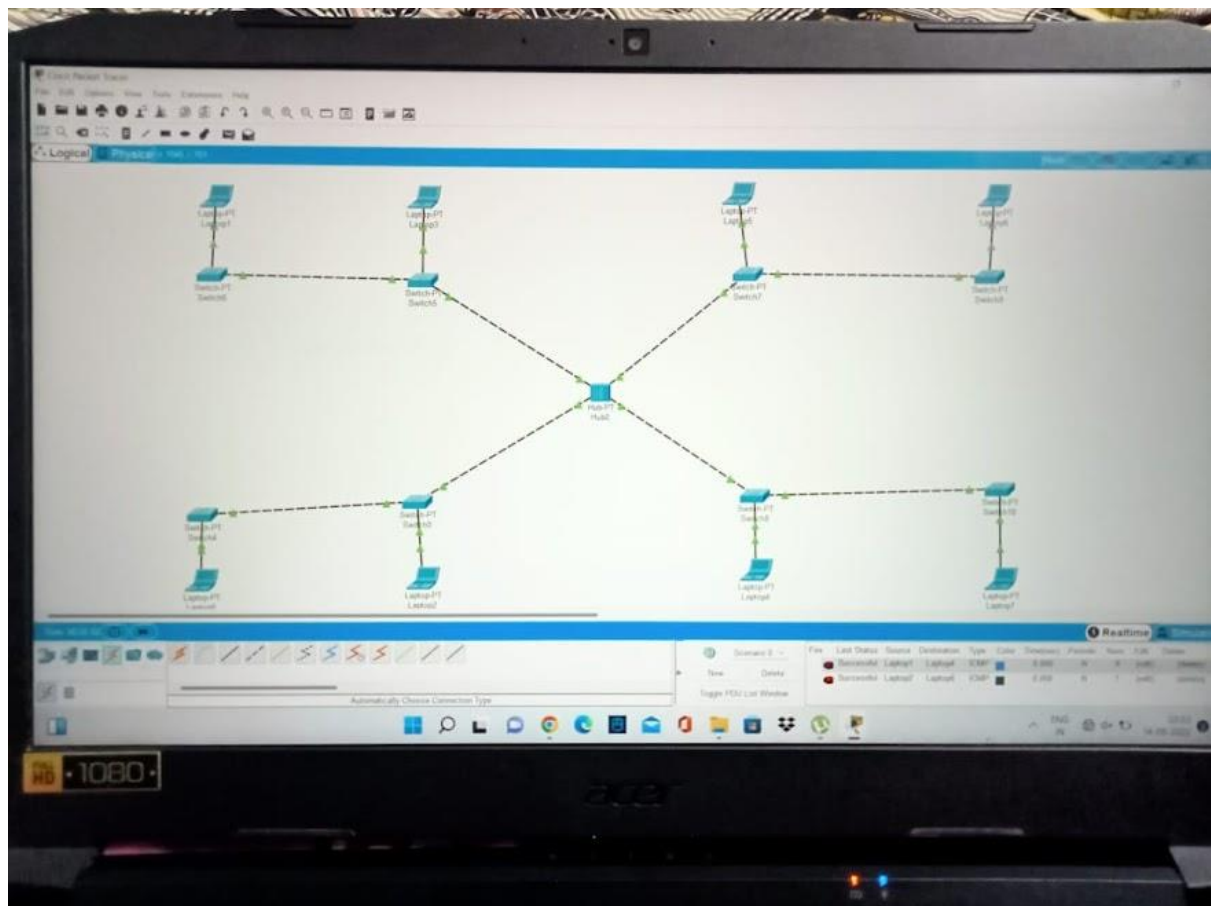
EXP-8 Using Cisco packet tracer, configure a network using address resolution protocol (ARP) and examine the ARP table for the following condition. 1. A request for an ARP Remote communication's ARP process



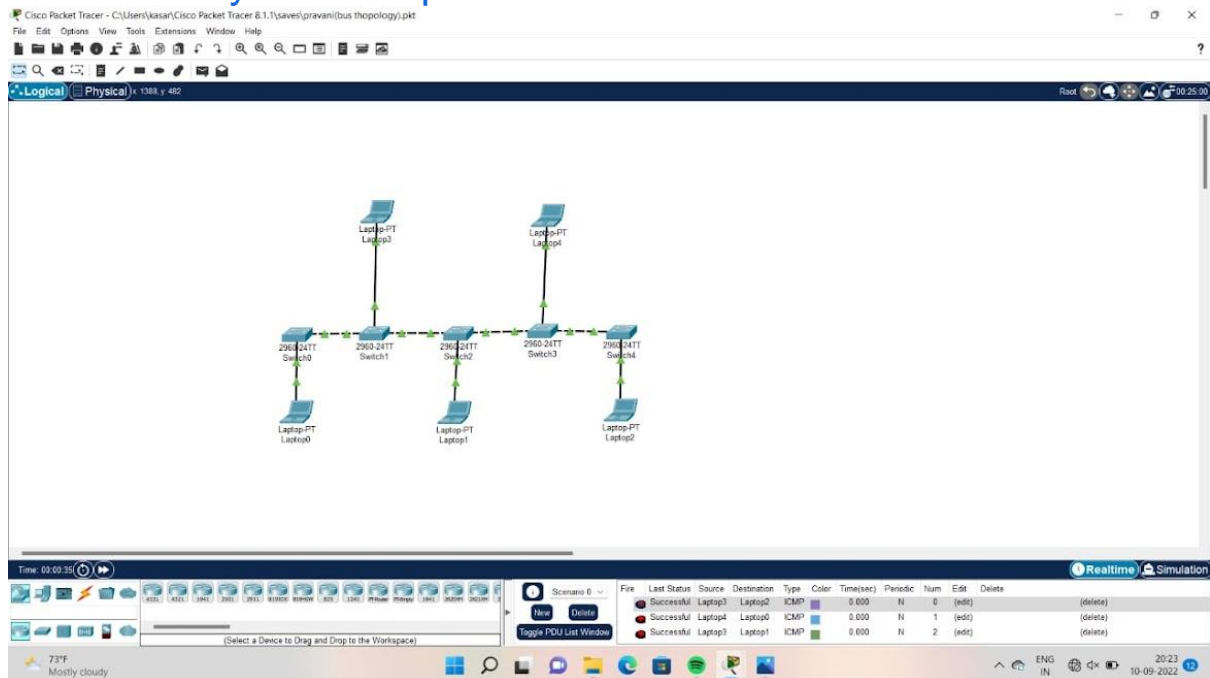
EXP-7 Construct a tree topology with 10 PCs and 4 Switches using packet tracer



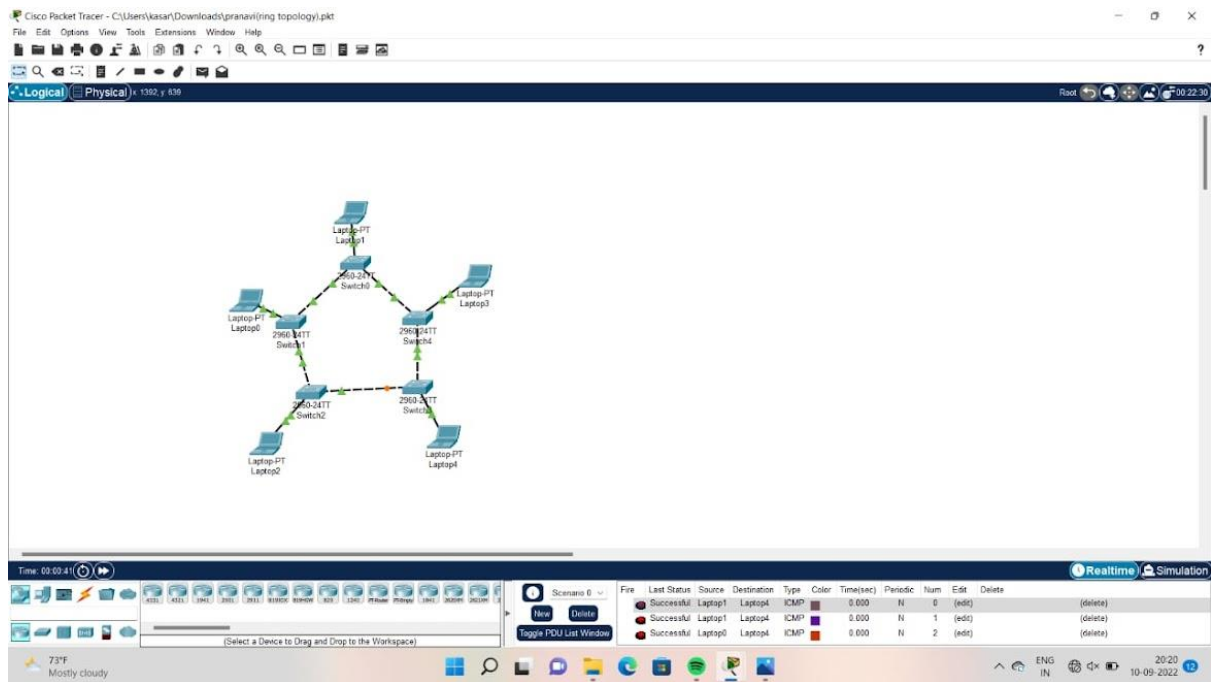
EXP -6 Implement a hybrid topology consist of bus and star framework using packet tracer



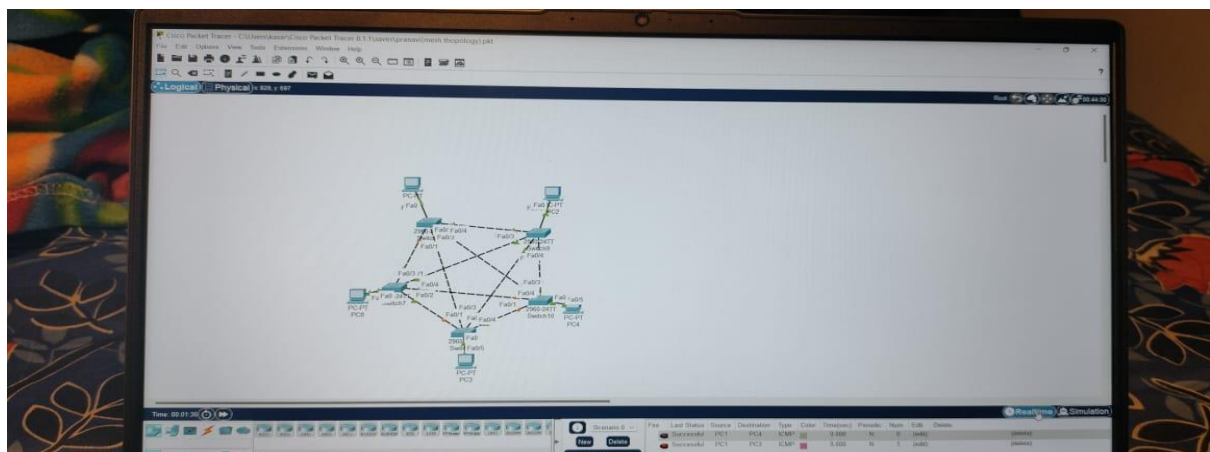
EXP - 5 Using Packet tracer, create a network of 6 laptops, where all the computers are connected in a series . Use appropriate topology , connection links and provide , proper configuration of IP addresses and show that the communication between any two computers are successful



EXP-4 Using Packet tracer, create a network of 4 computers, where all the computers are connected in a circular manner with other computers. Use appropriate connection links and provide , proper configuration of IP addresses and show that the communication between any two computers are successful.



Using Packet tracer, create a network of 5 computers, where all the computers are connected with all the other computers. Use appropriate connection links and provide , proper configuration of IP addresses and show that the communication between any two computers are successful.?



Using Packet tracer, create a network of 4 computers, which are connected through a hub. Provide, proper configuration of IP addresses and show that the communication between any two computers are successful?

