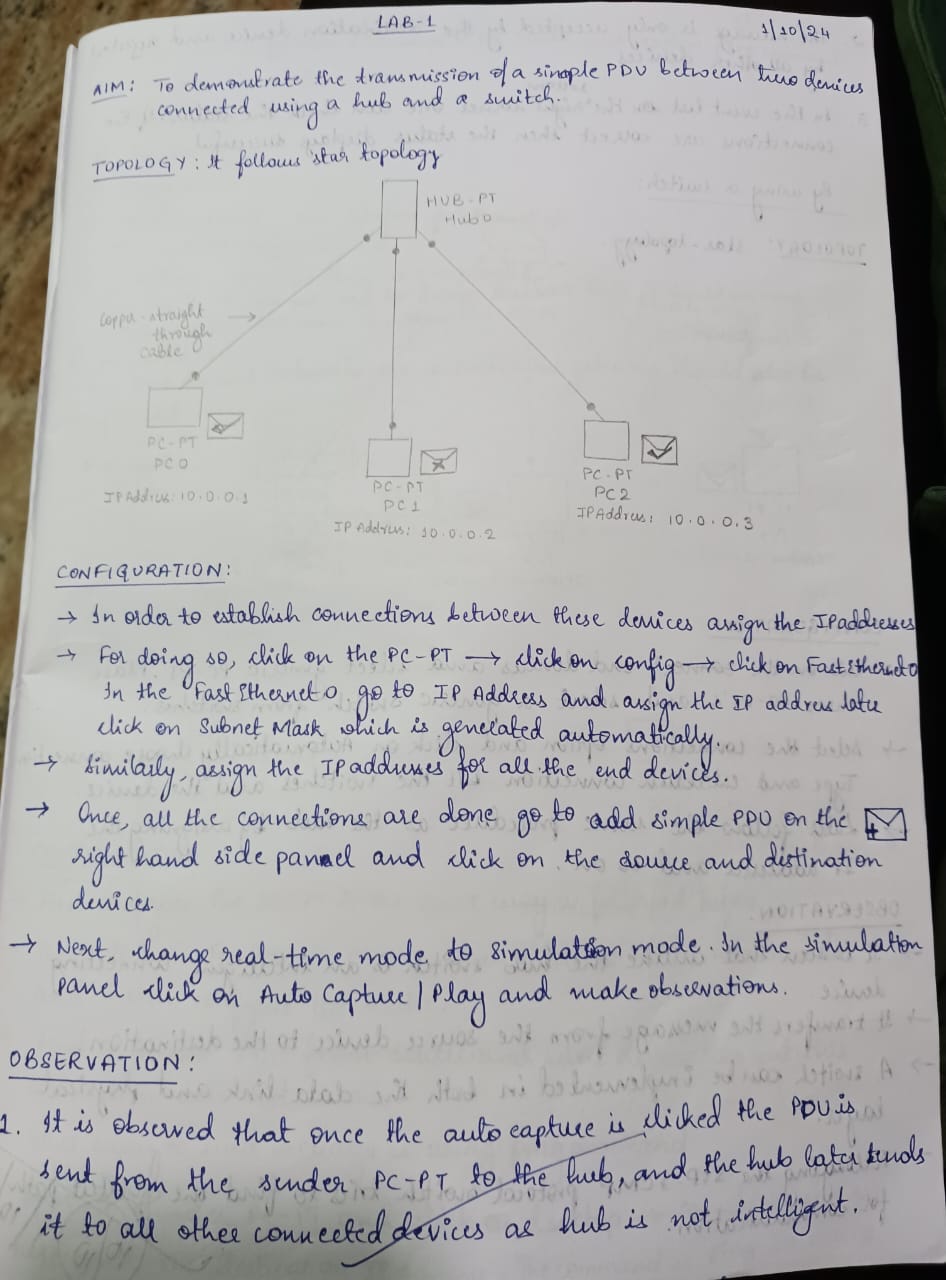
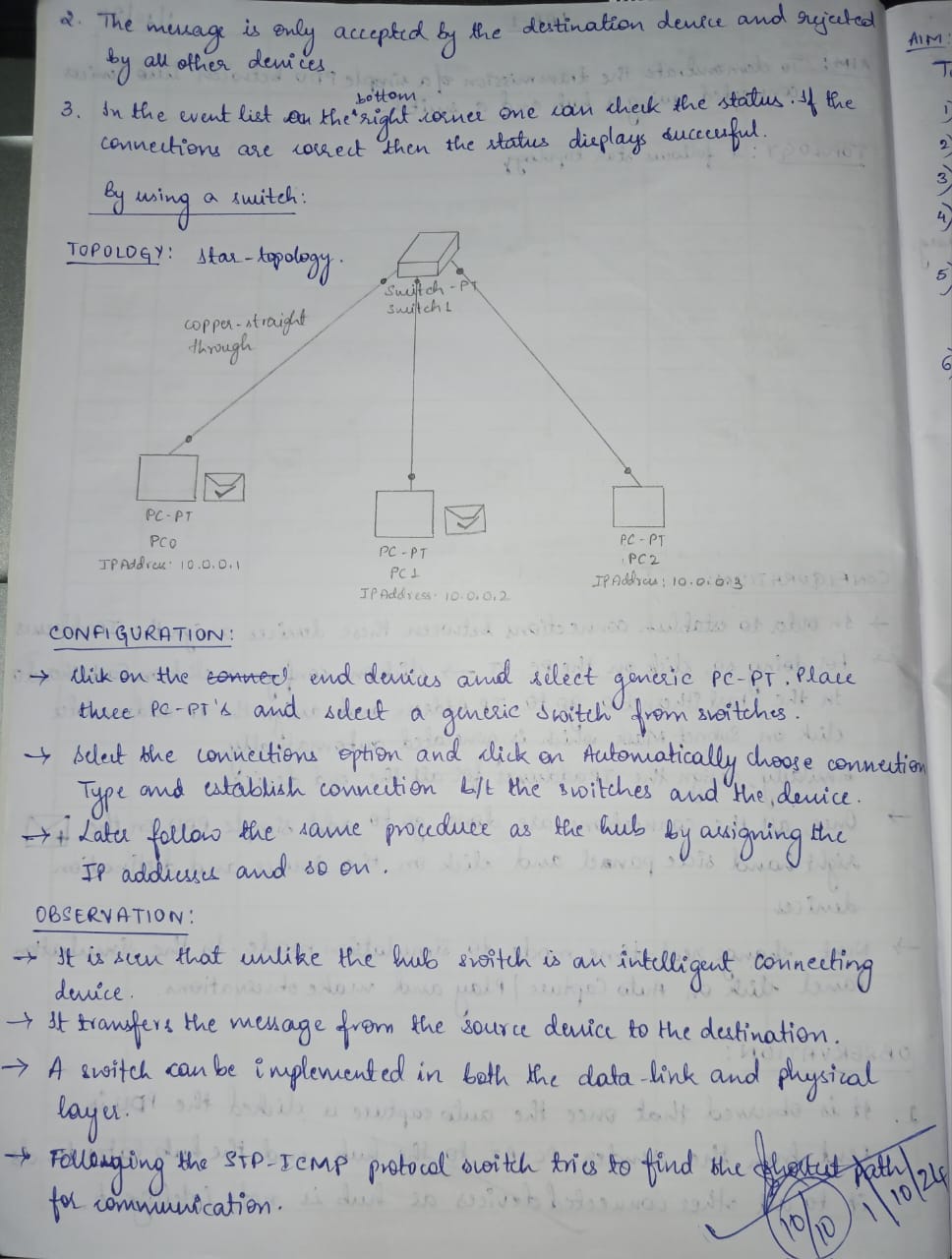
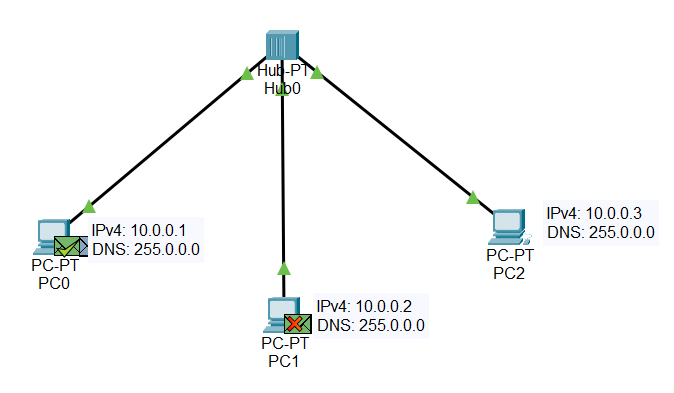
**Computer Networks**

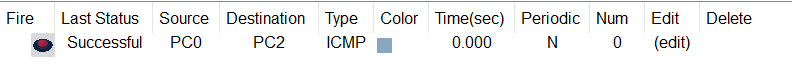
**LABORATORY PROGRAM – 1**

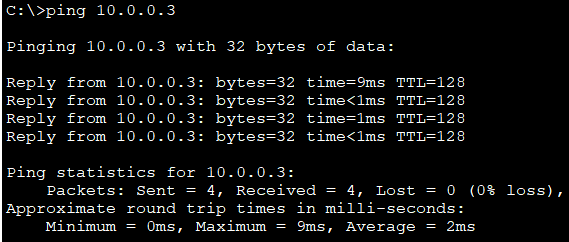
Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices and demonstrate ping message.







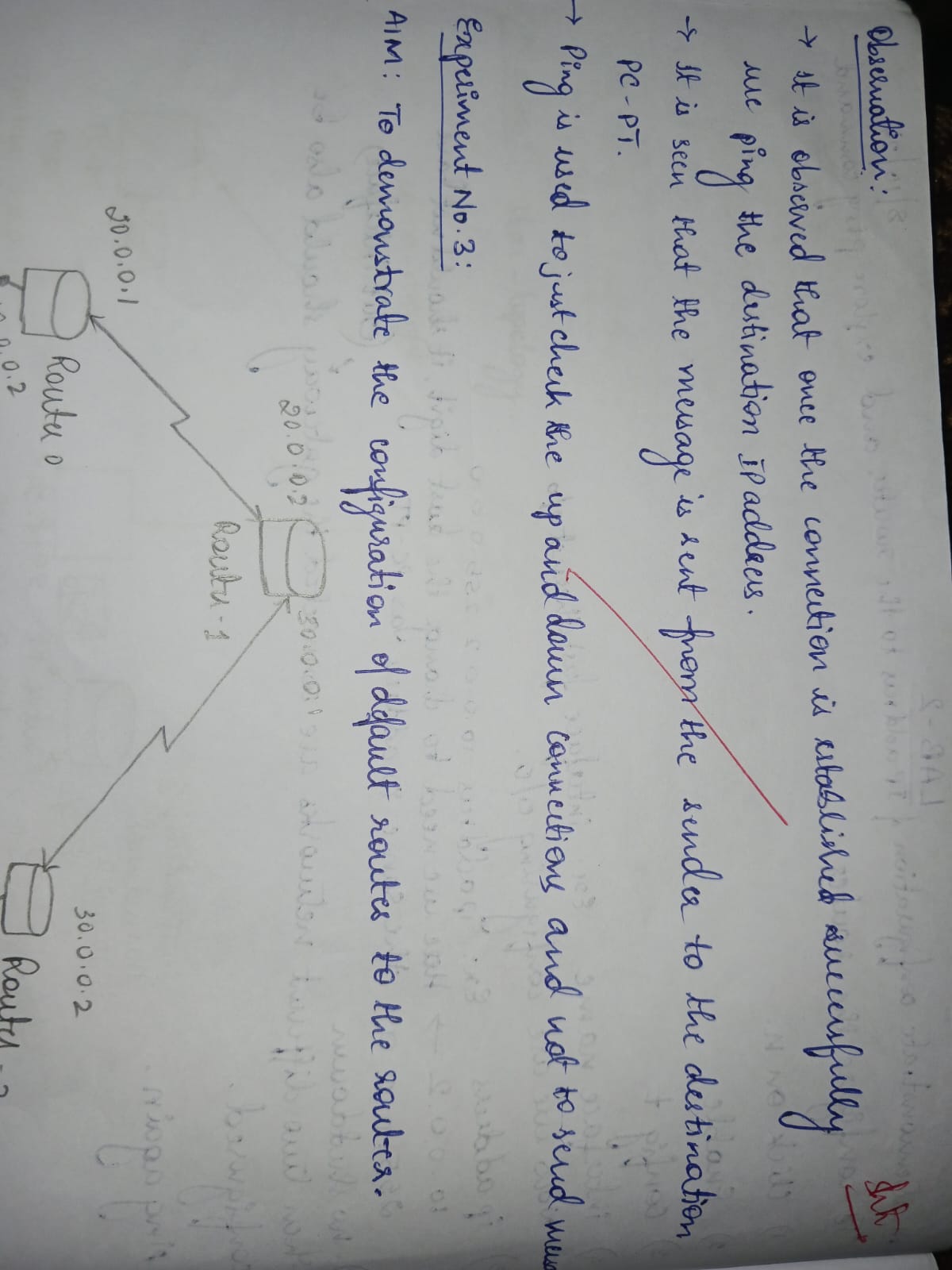


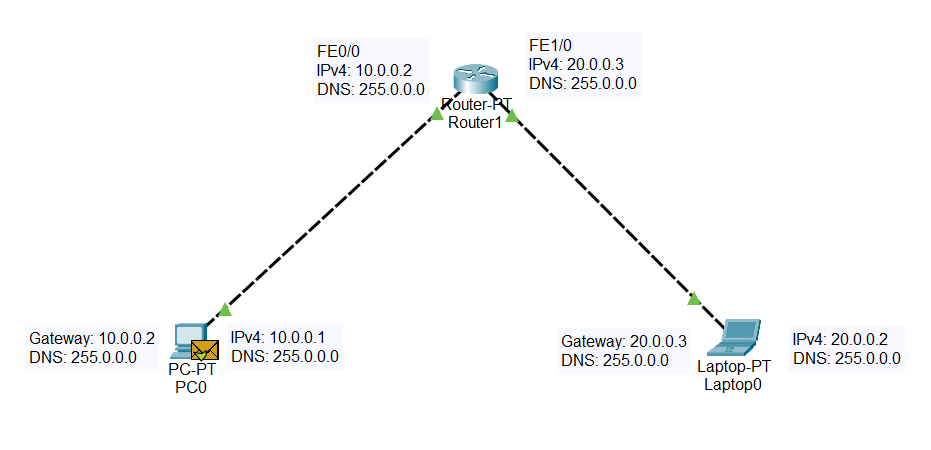
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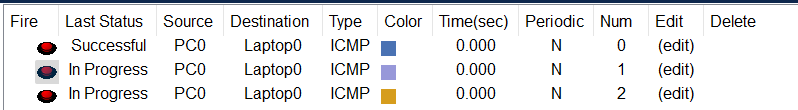
**LABORATORY PROGRAM – 2**

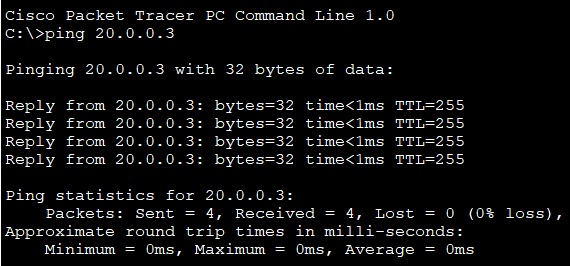
Configure IP address to routers in packet tracer. Explore the following messages: ping responses, destination unreachable, request timed out, reply.









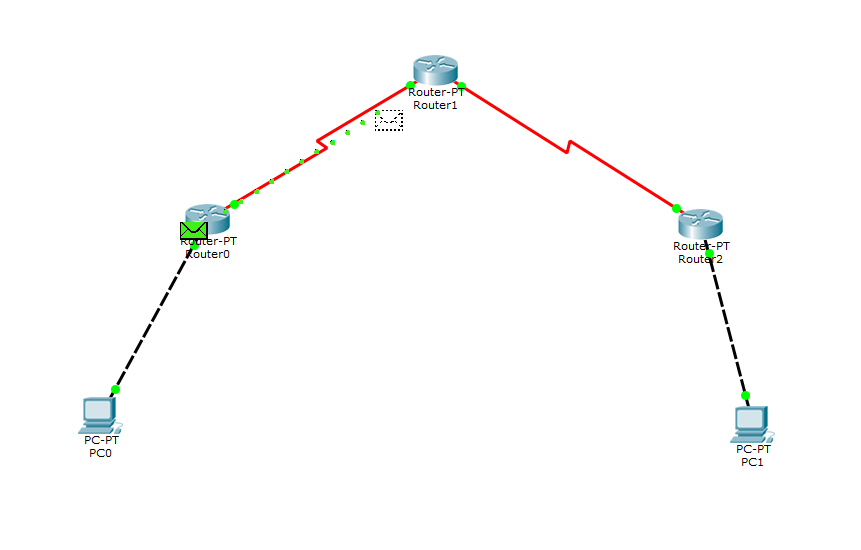
****

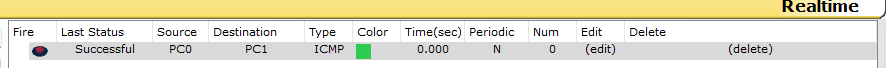
**LABORATORY PROGRAM – 3**

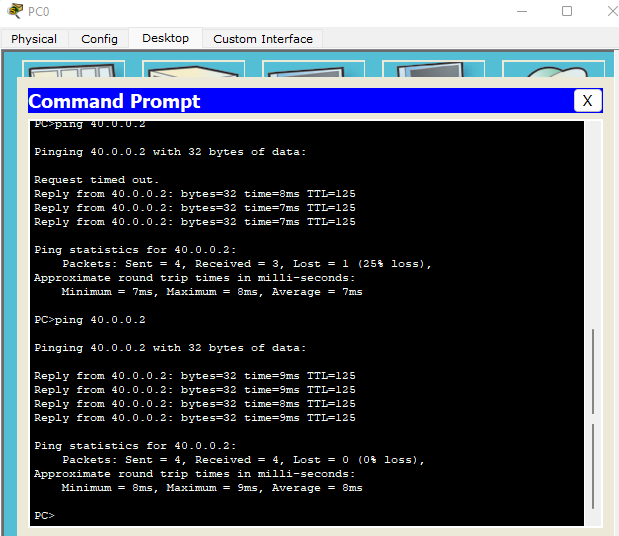
Configure default route, static route to the Router.





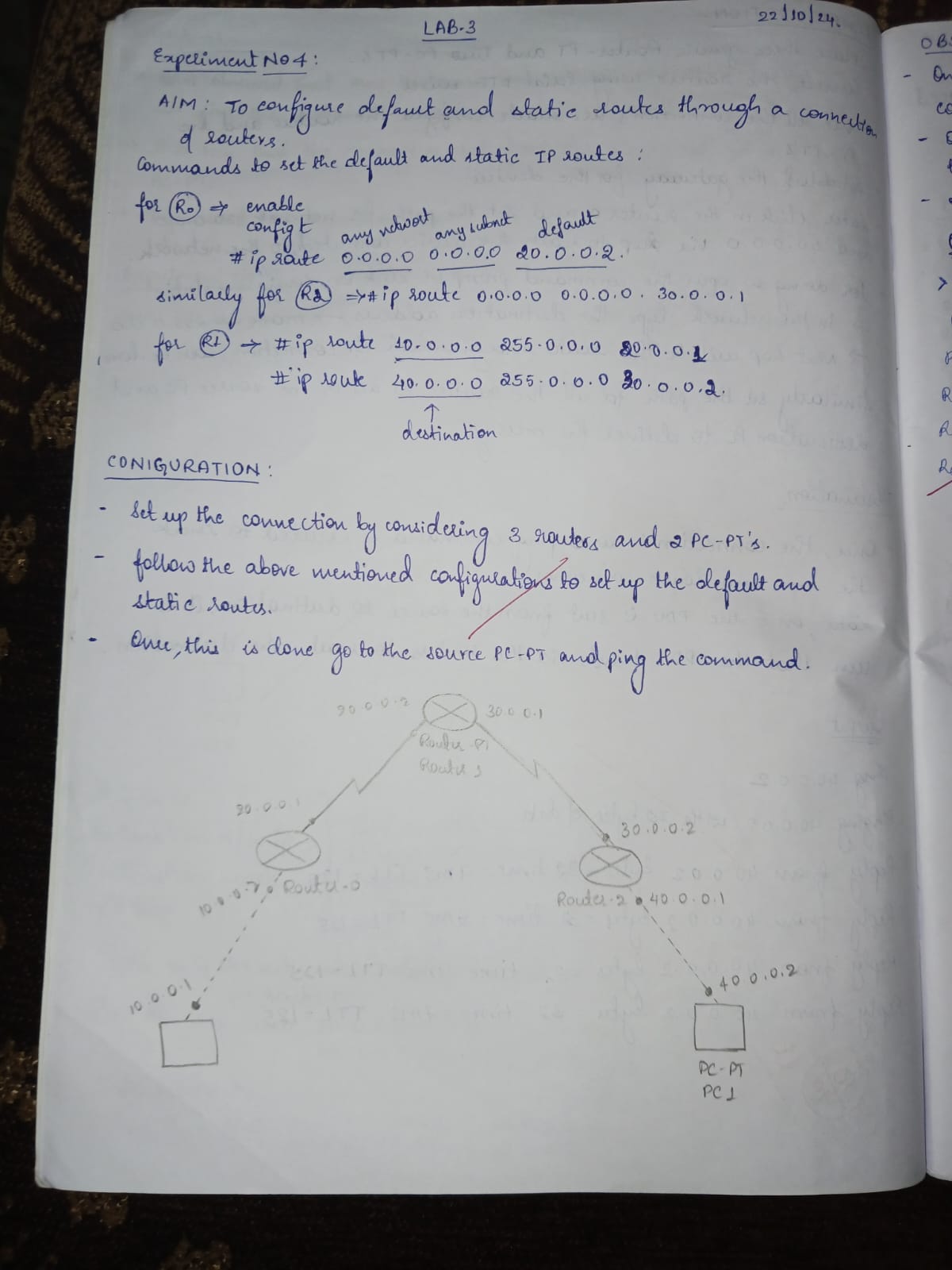
****

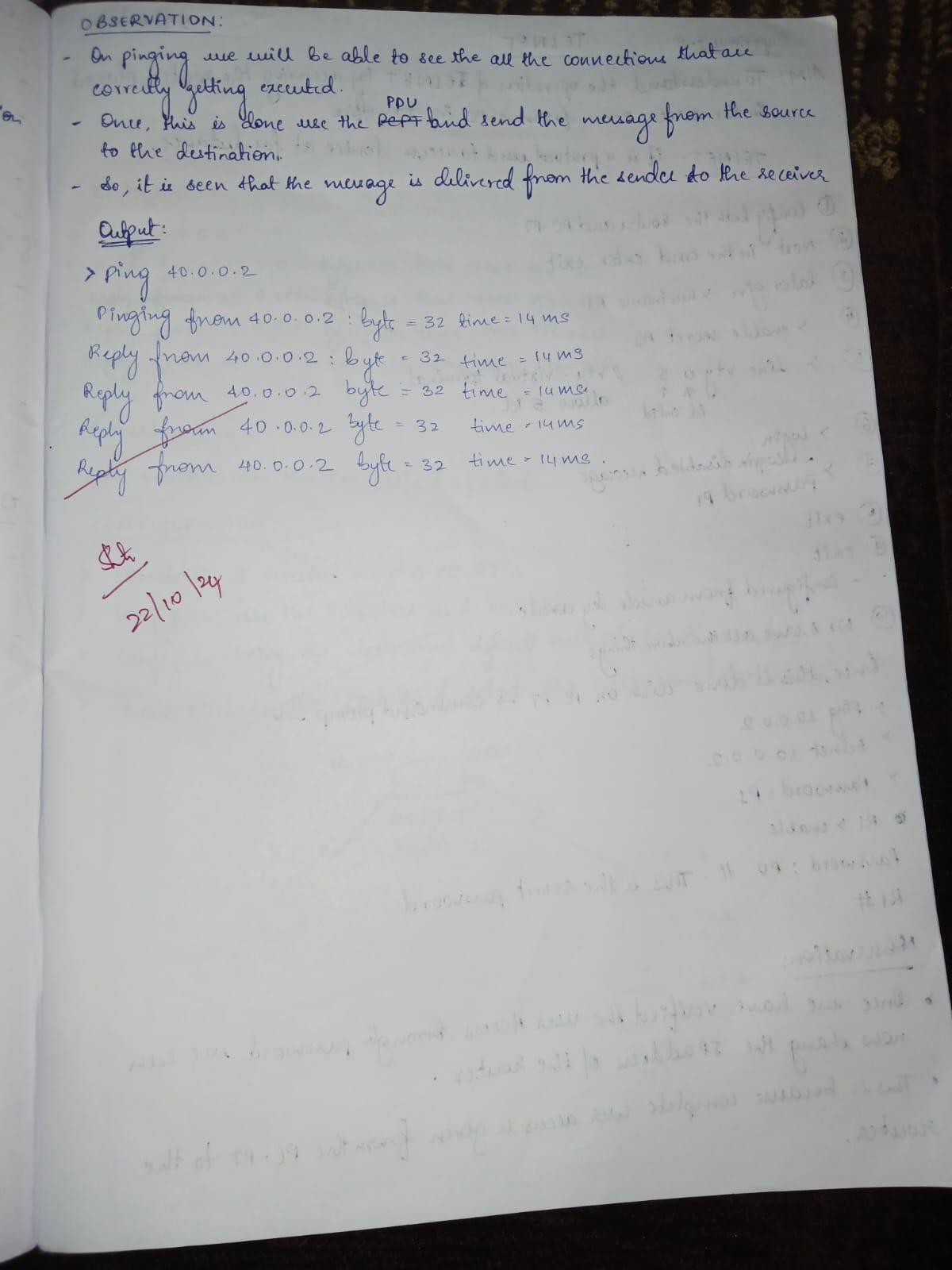
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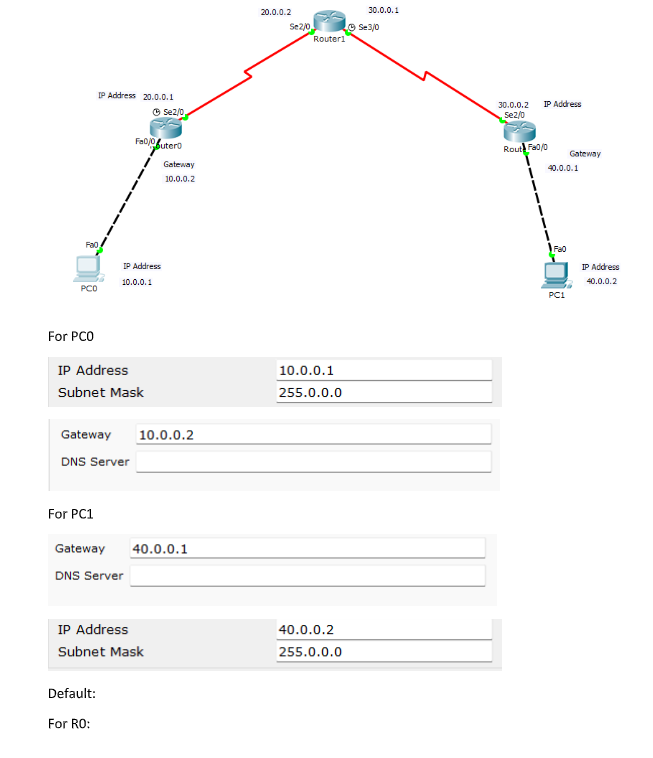
****

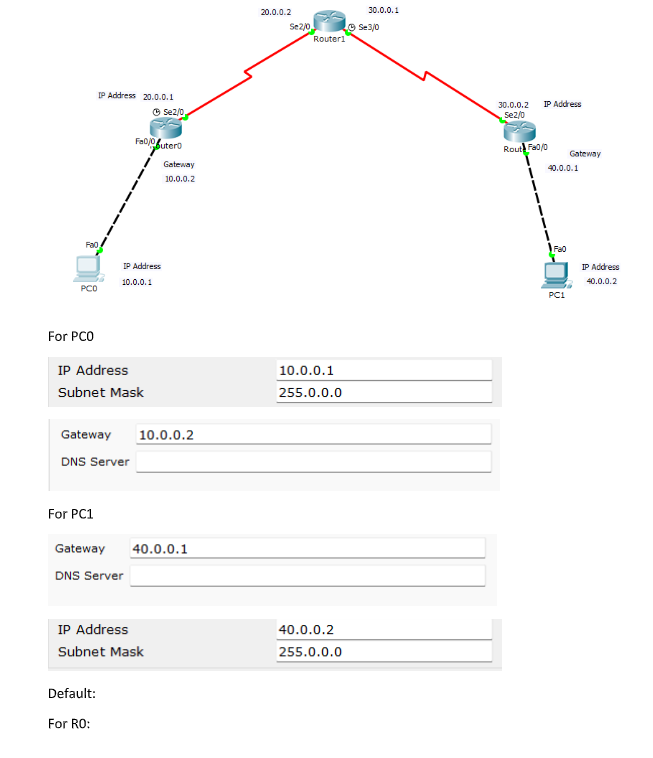
**LABORATORY PROGRAM-4**

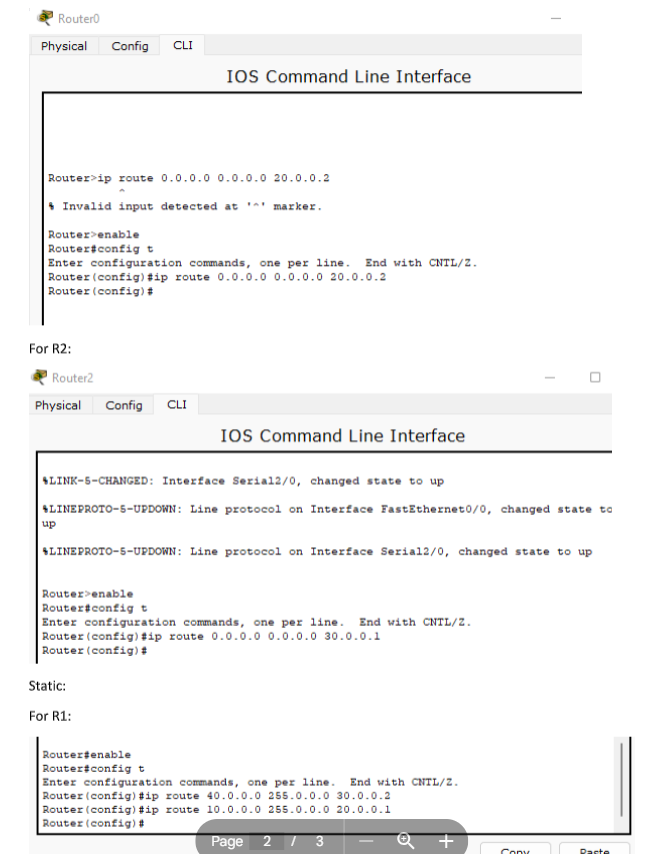
To configure default and static routers.

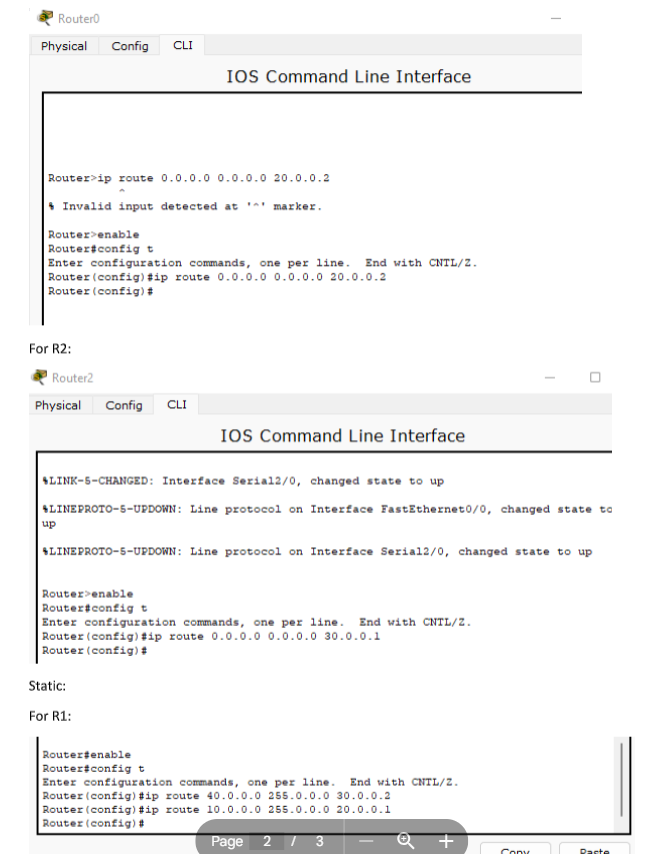


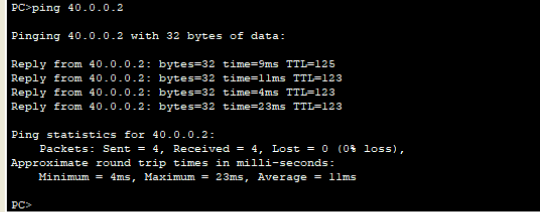






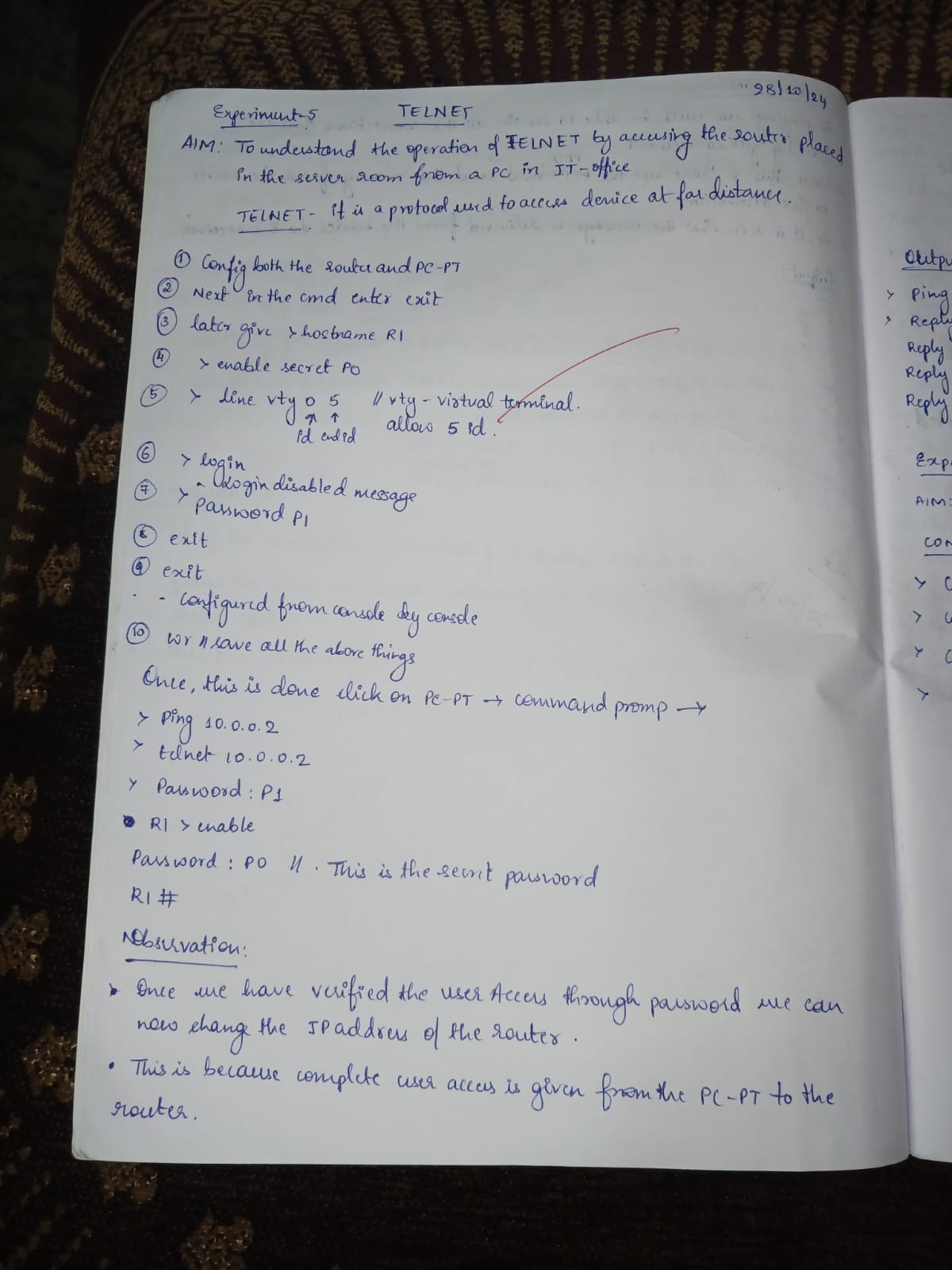


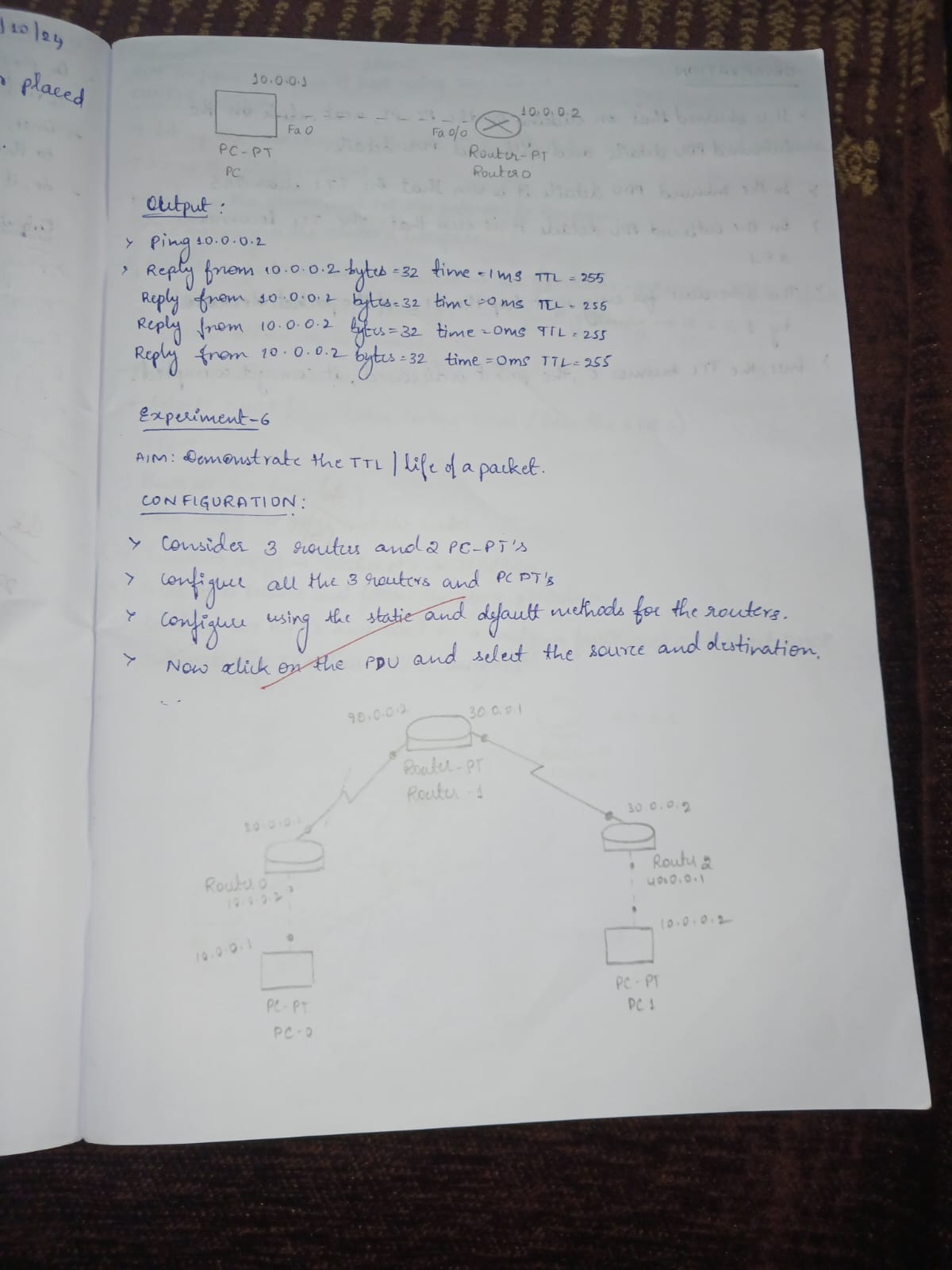


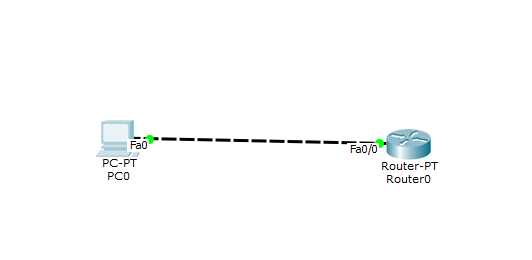


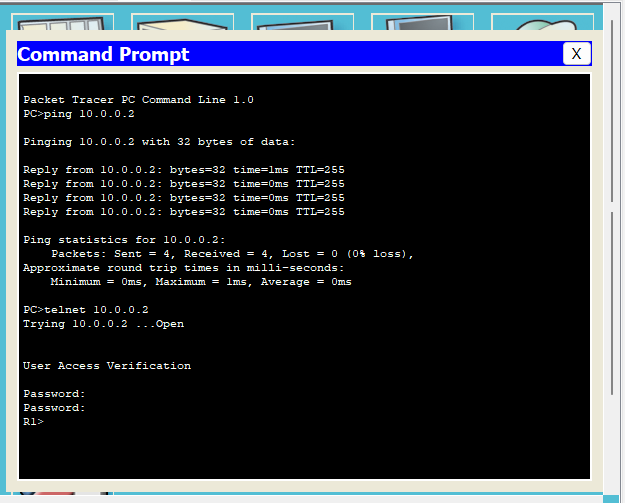
**LABORATORY PROGRAM-5**

To understand the operations of TELNET



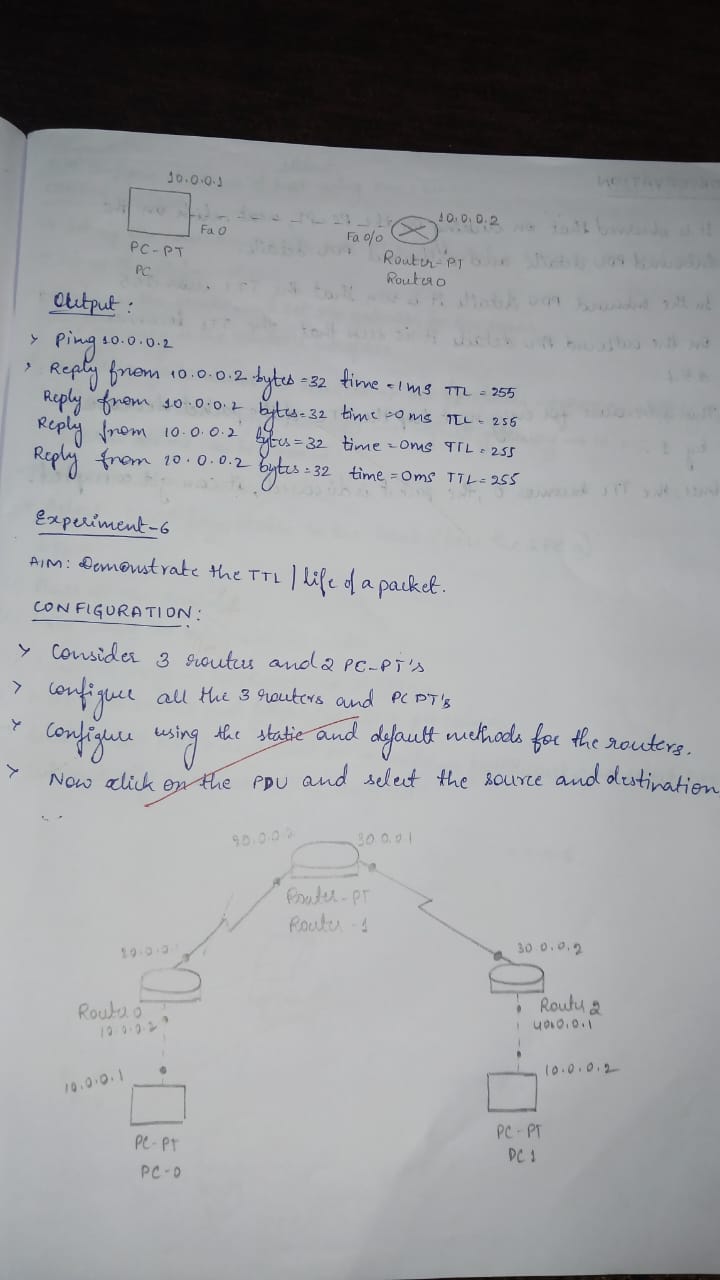


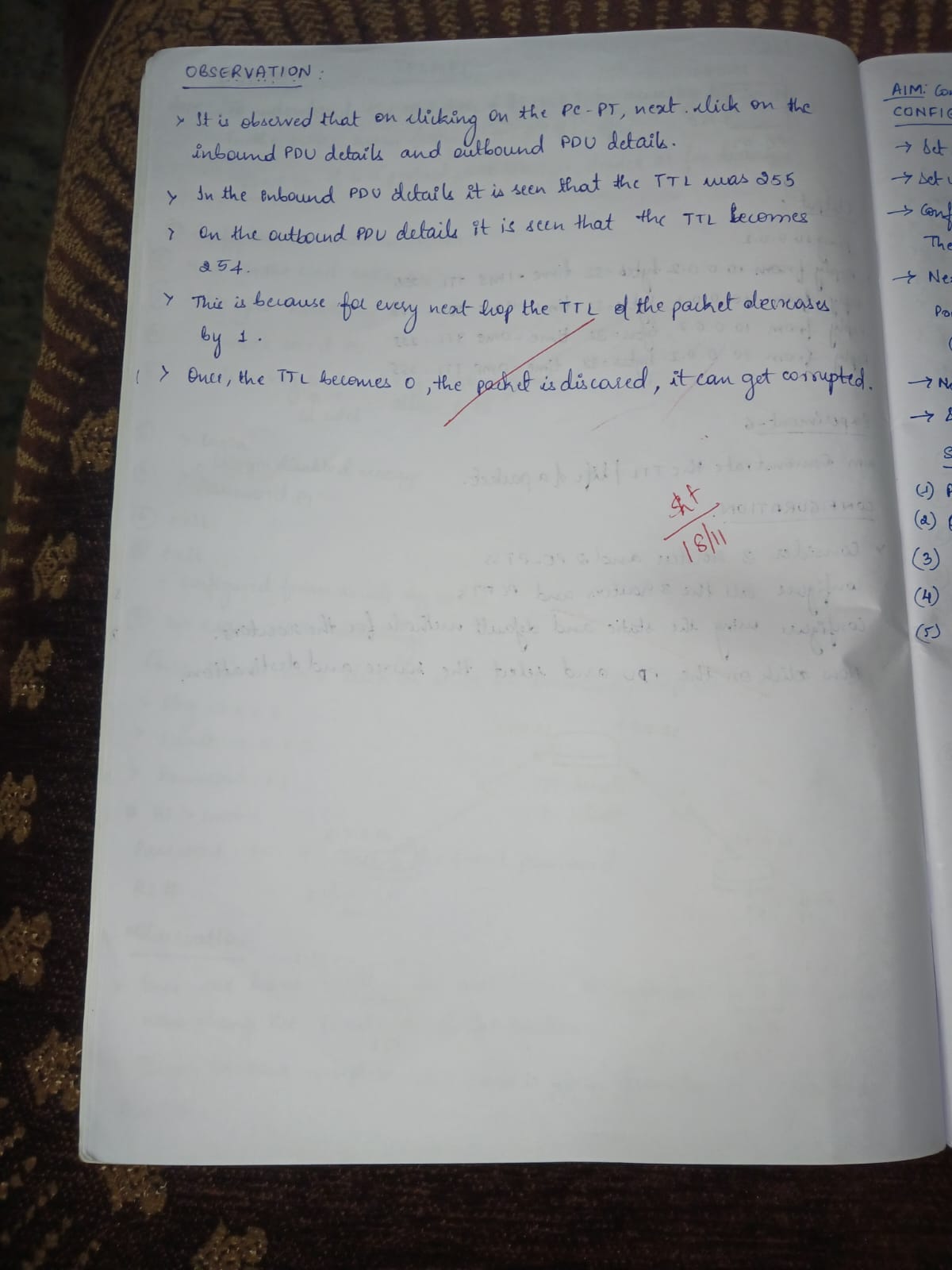
****

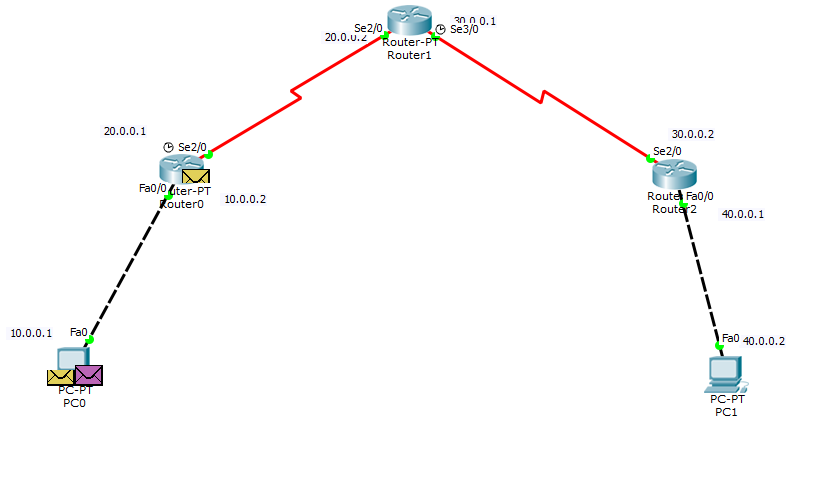
****

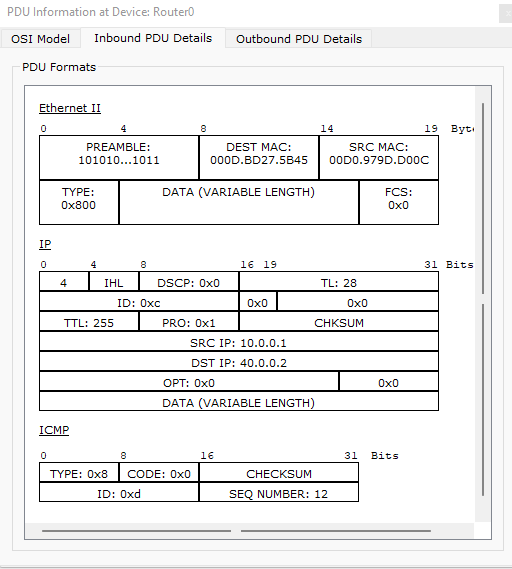
**LABORATORY PROGRAM-6**

Demonstrate the TTL/Life of a packet.

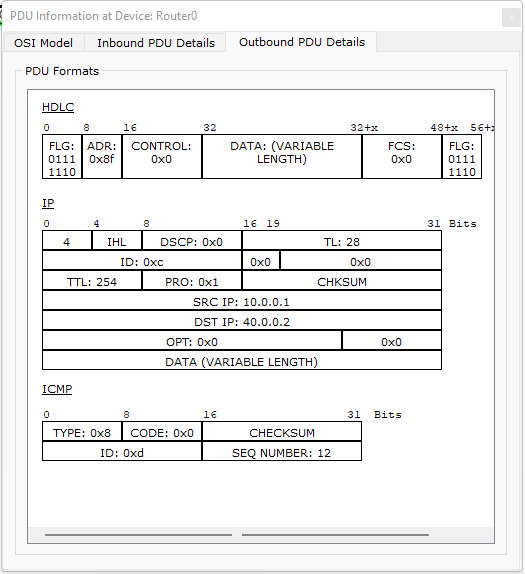






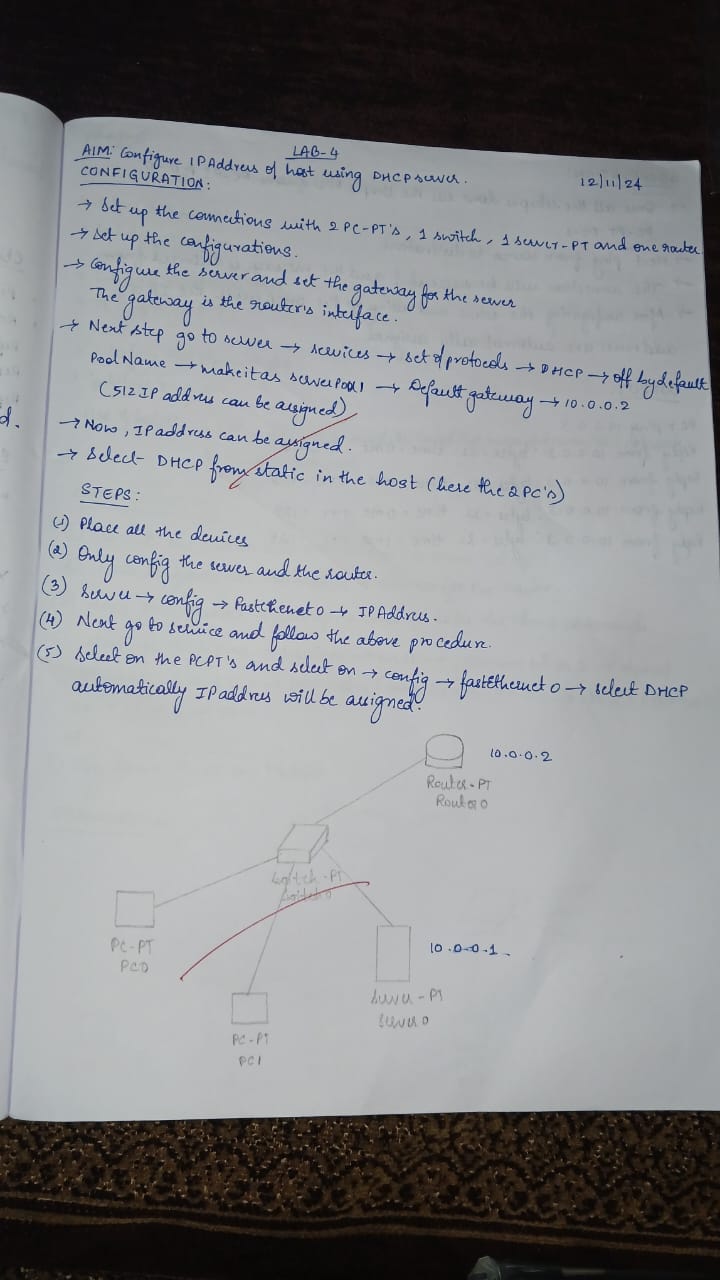


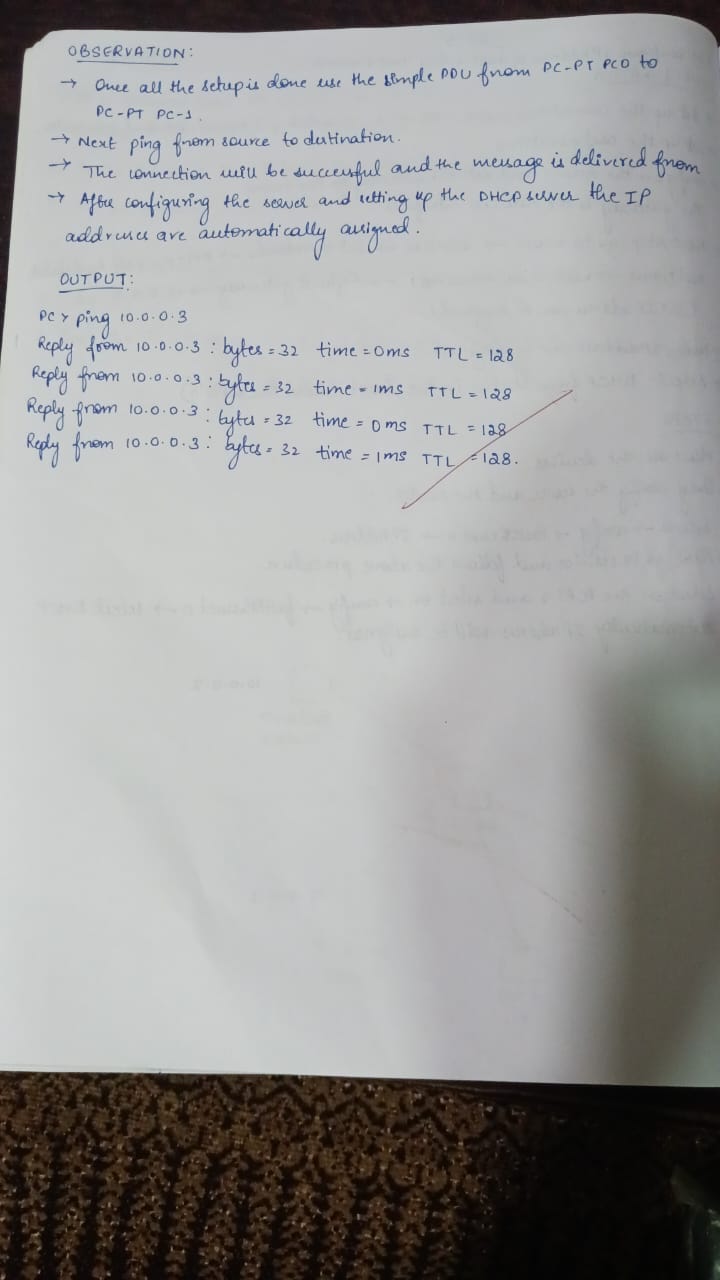


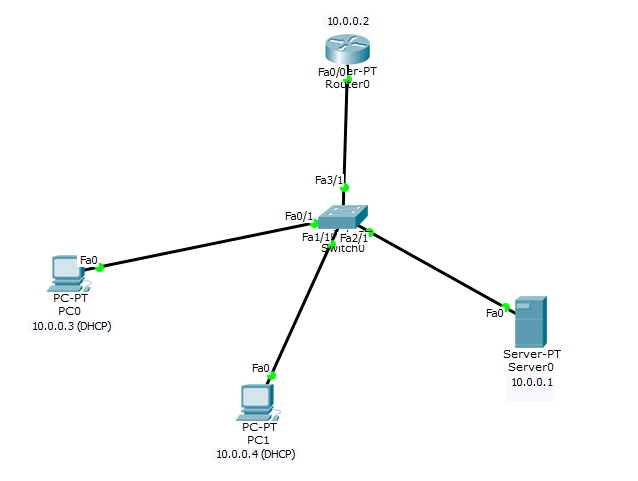


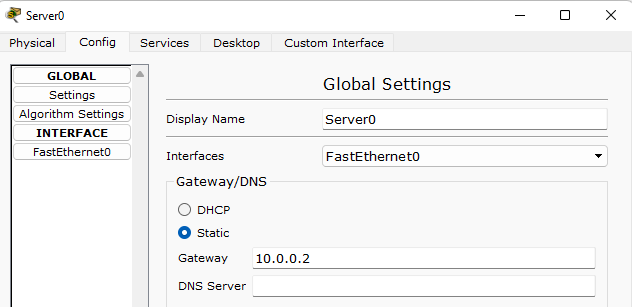
**LABORATORY PROGRAM-7**

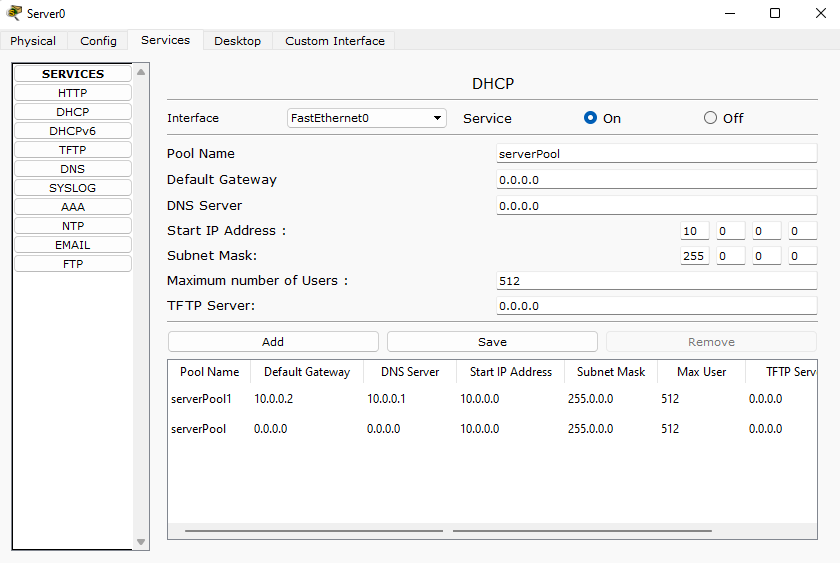
To configure IP Addresses of the host using DHCP server present within the LAN.

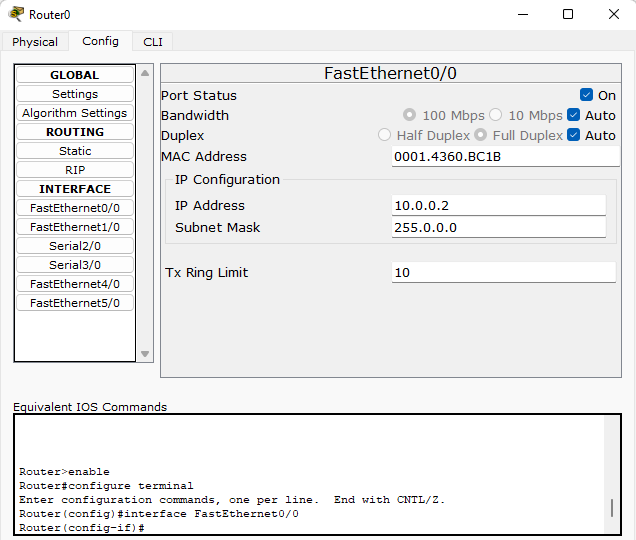




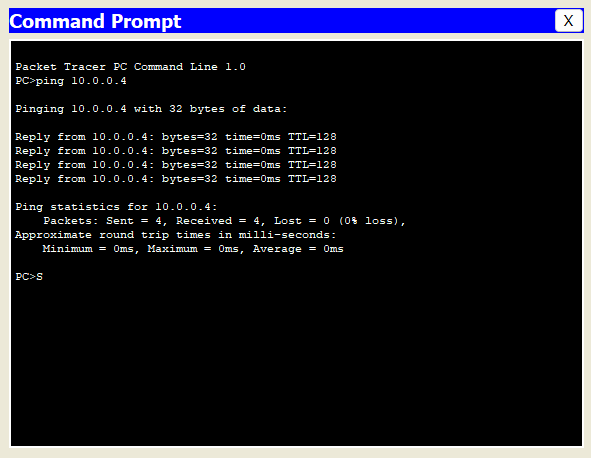






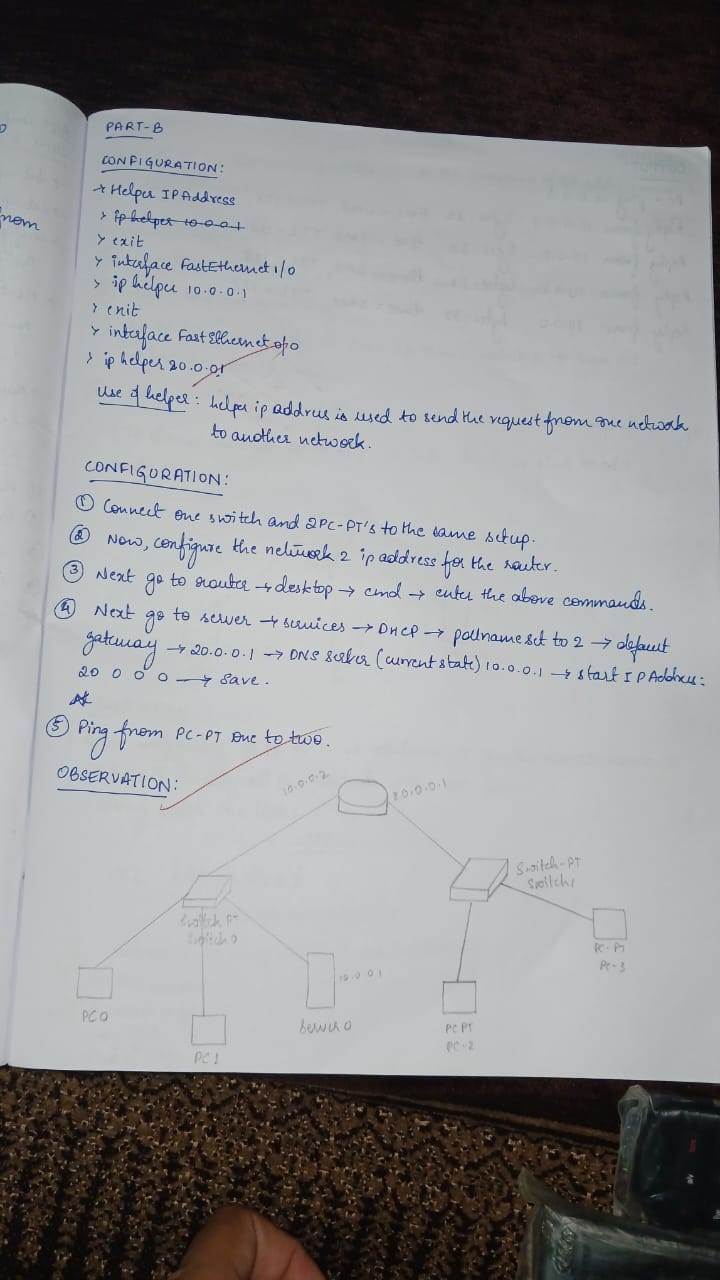


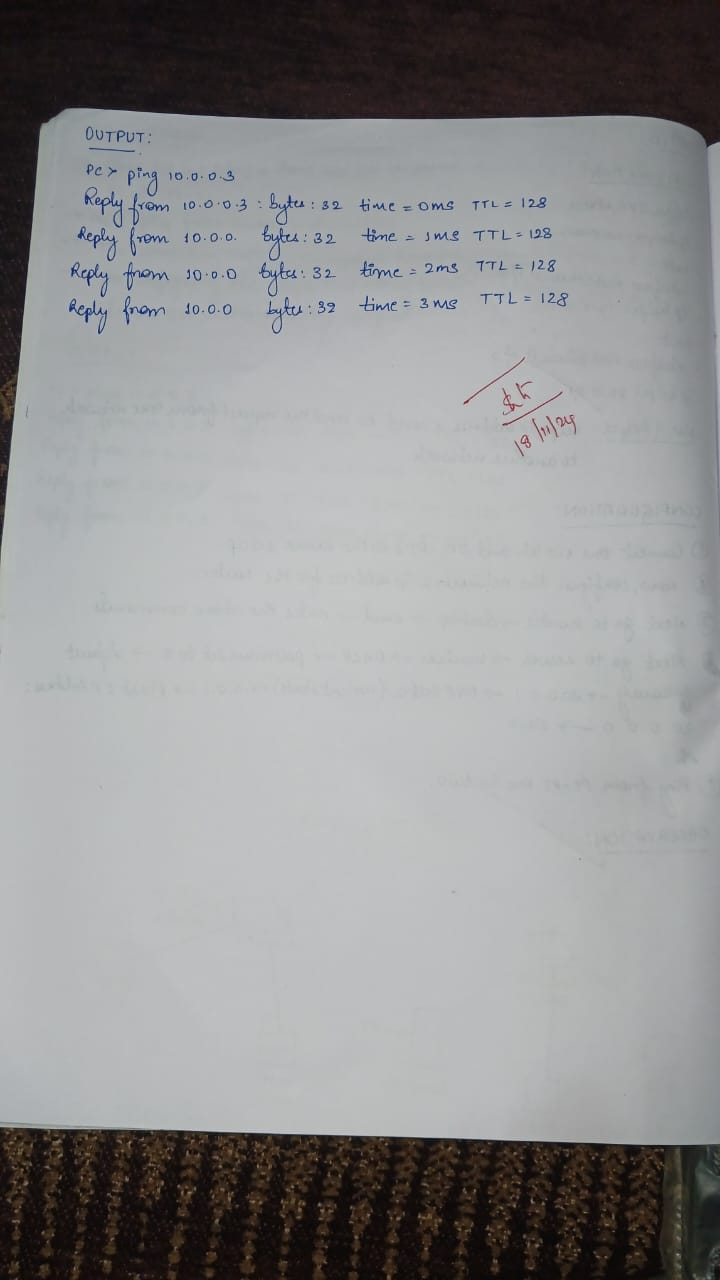


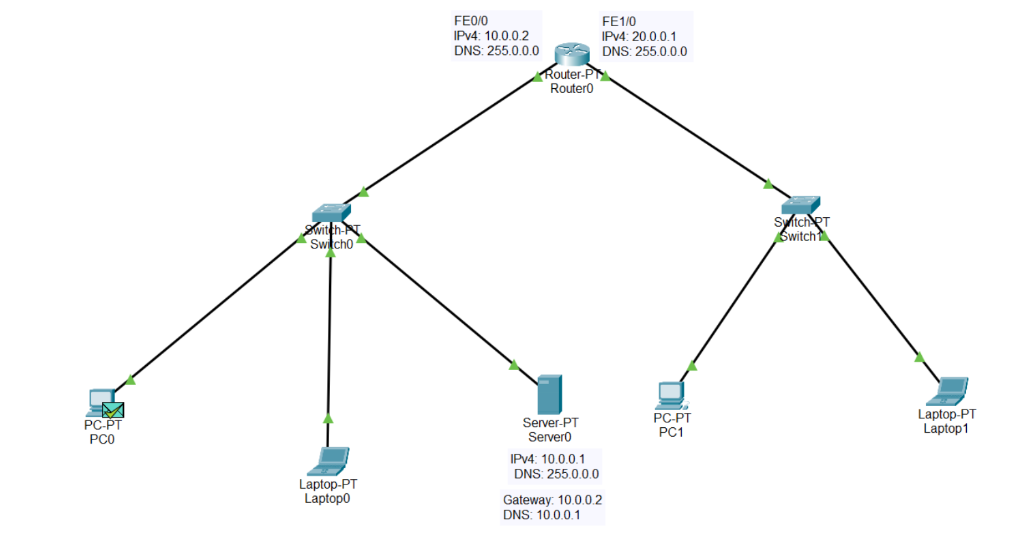


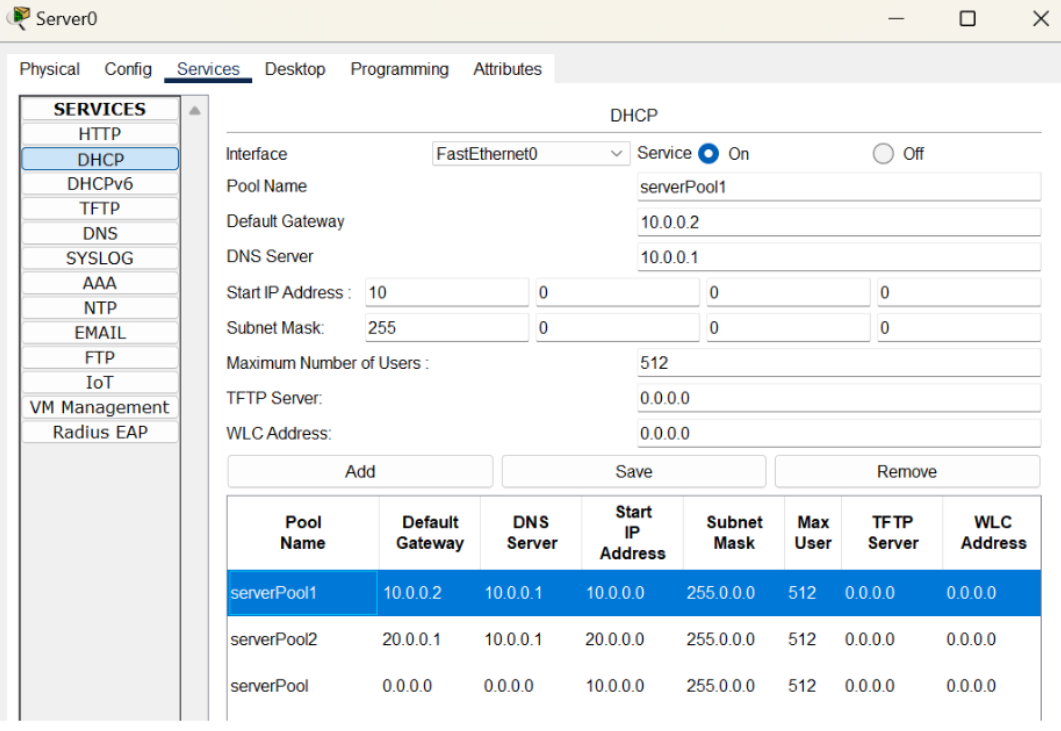
**LABORATORY PROGRAM-7**

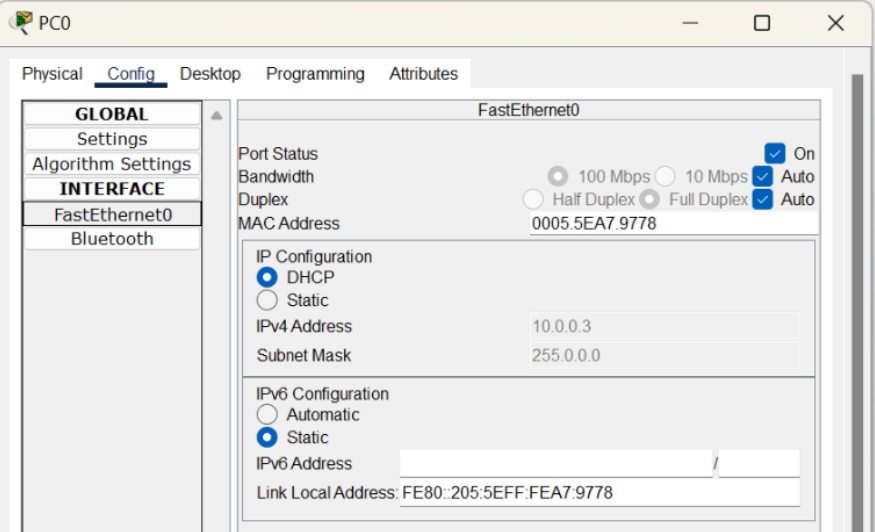
To configure IP addresses of the host using DHCP server outside a LAN.

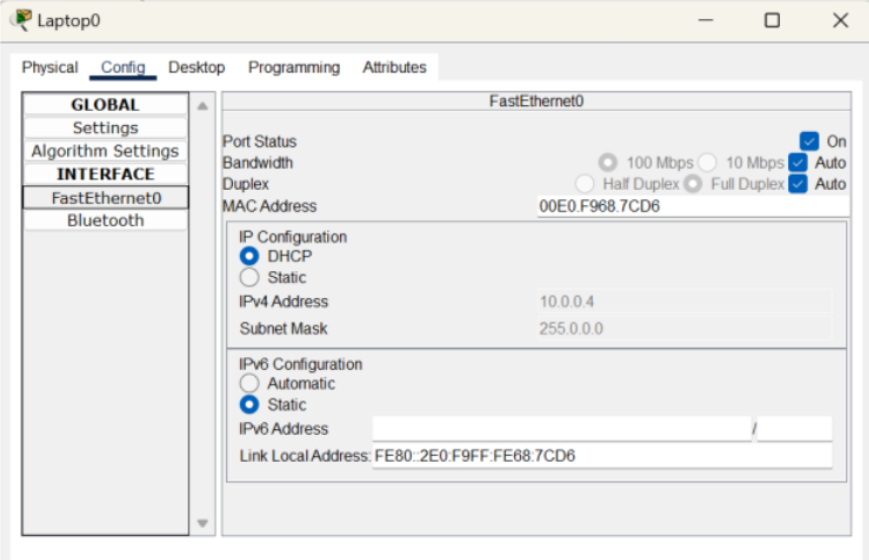


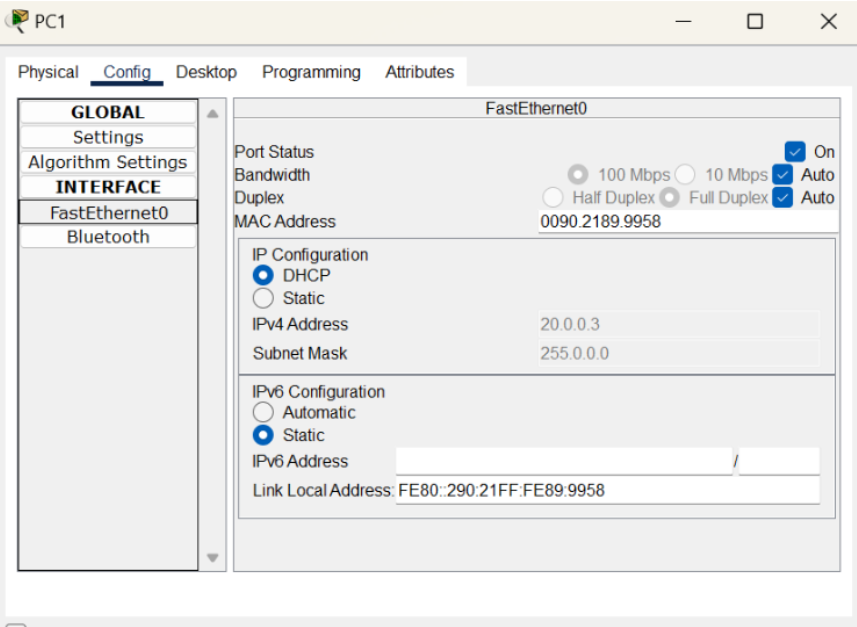


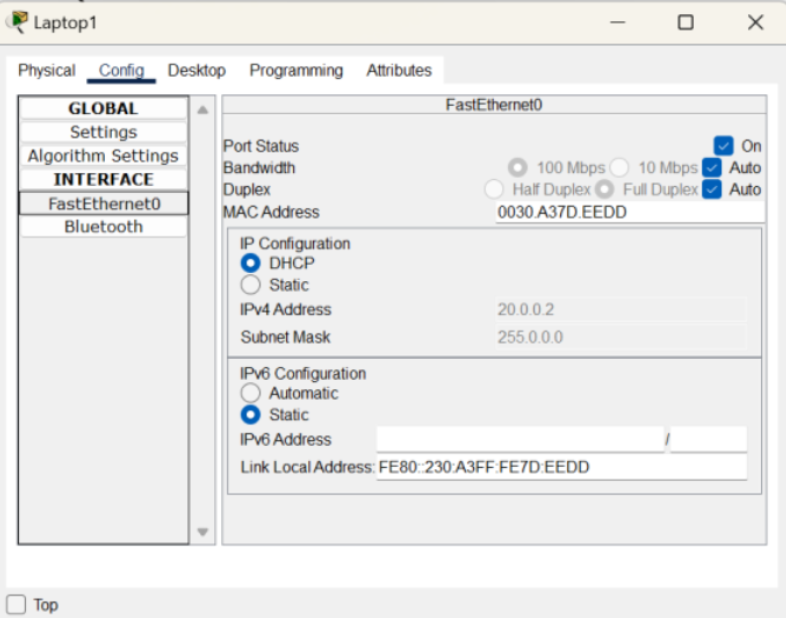
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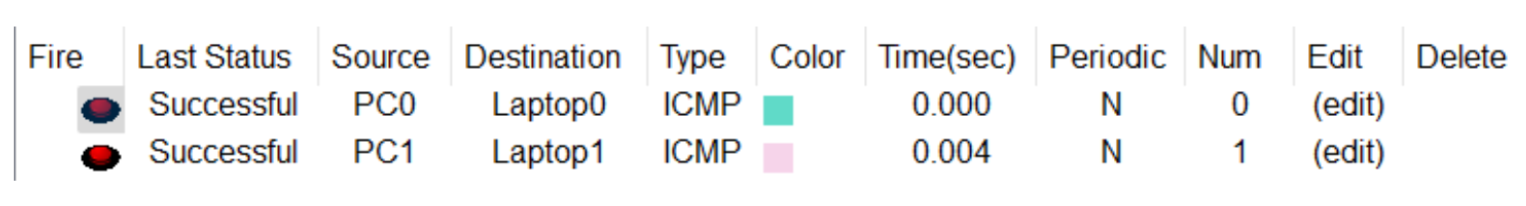
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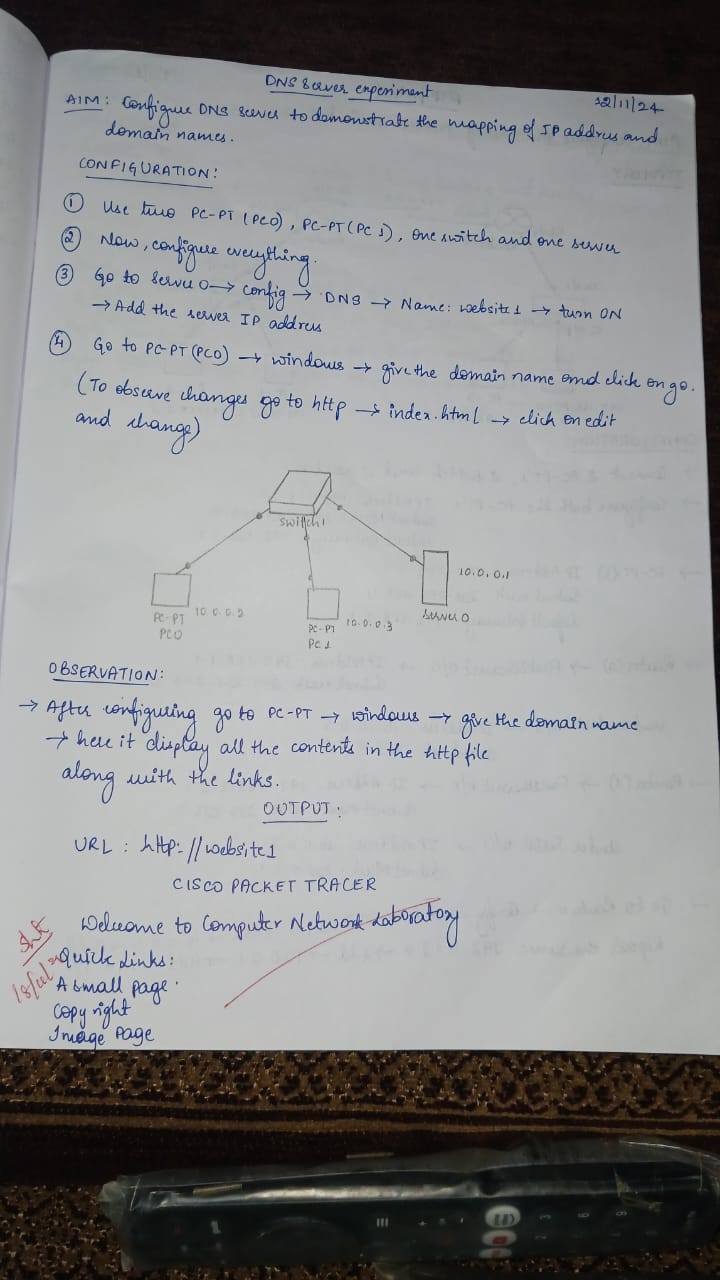
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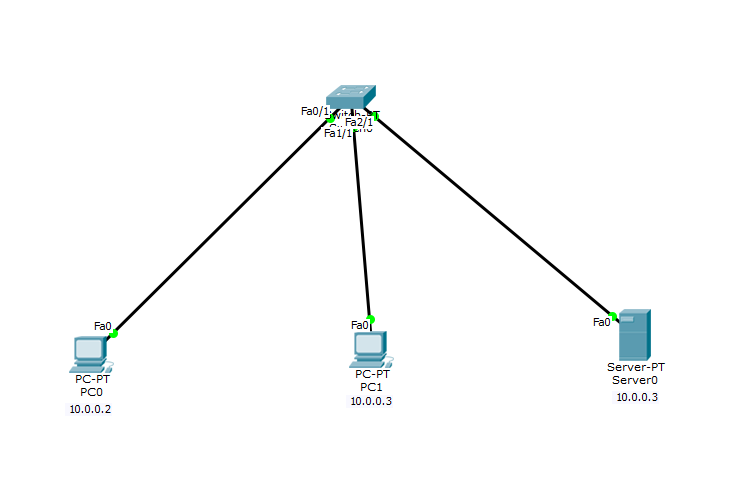
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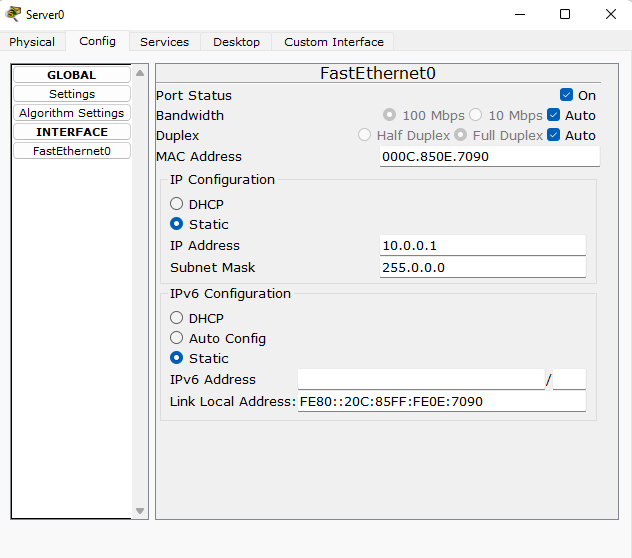
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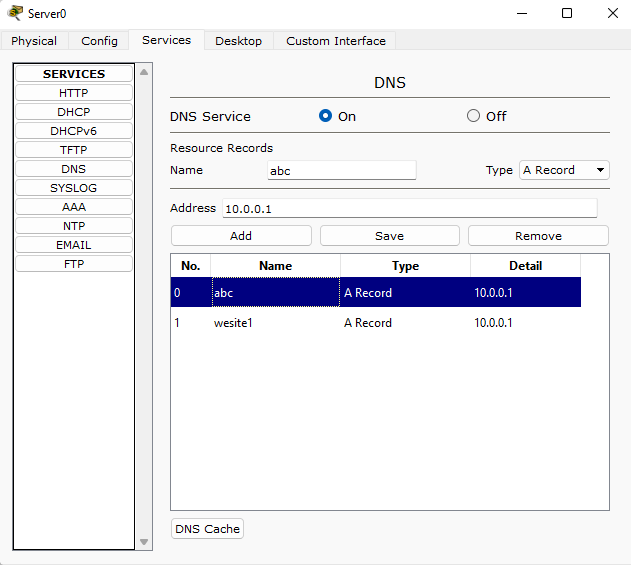
**LABORATORY PROGRAM-8**

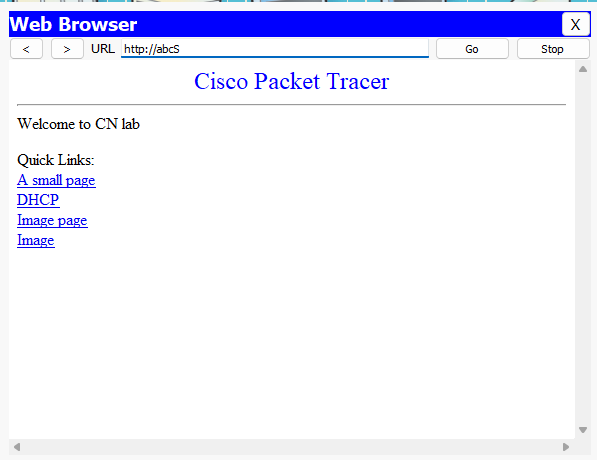
To configure DNS server to demonstrate the mapping of IP address and Domain names.





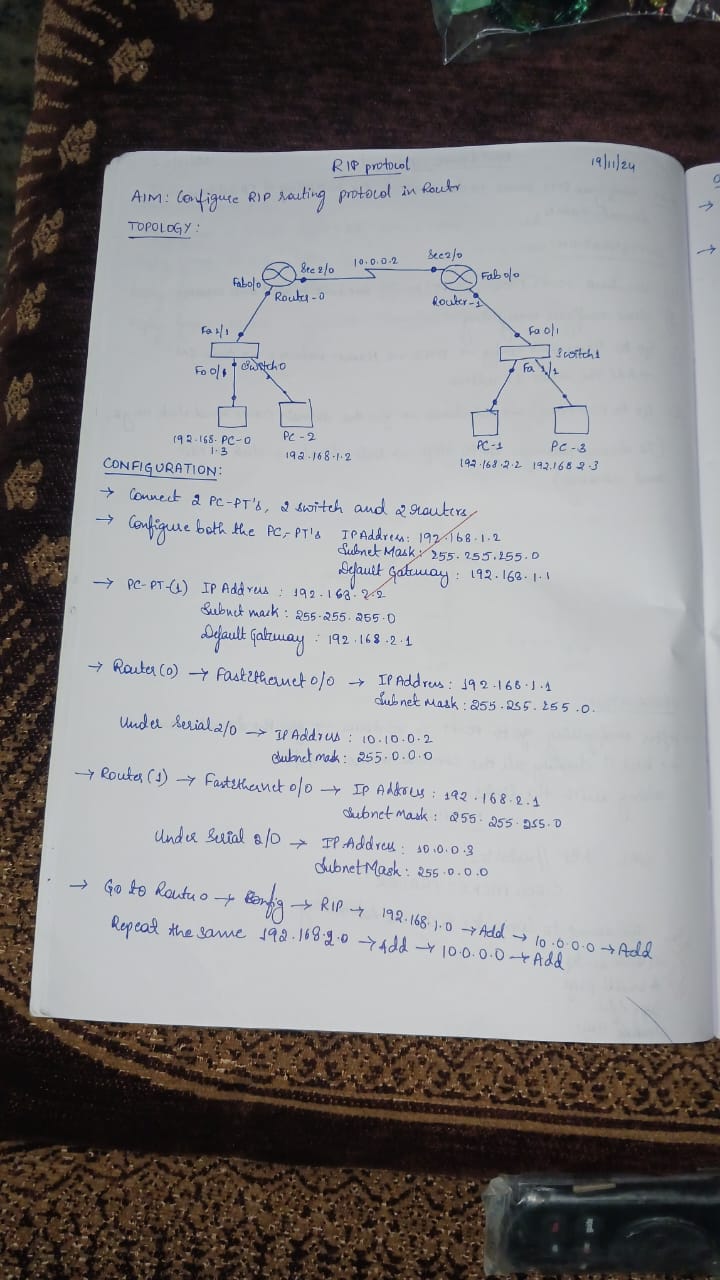


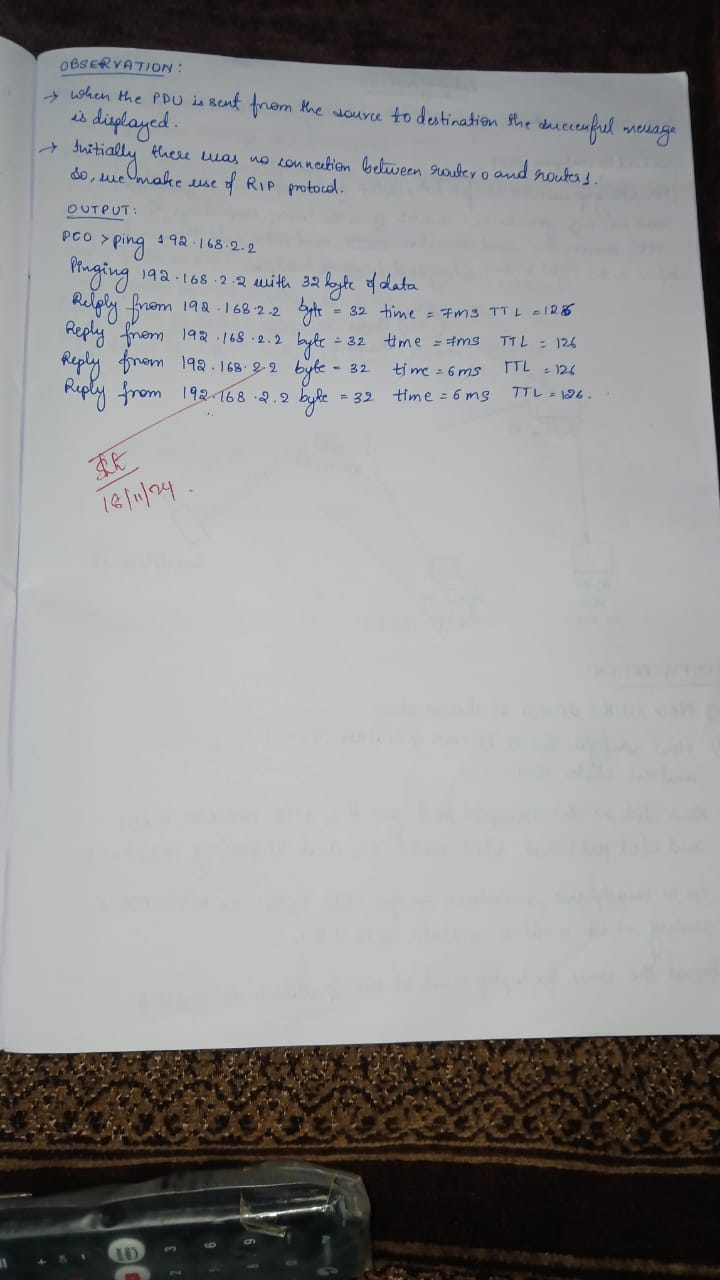


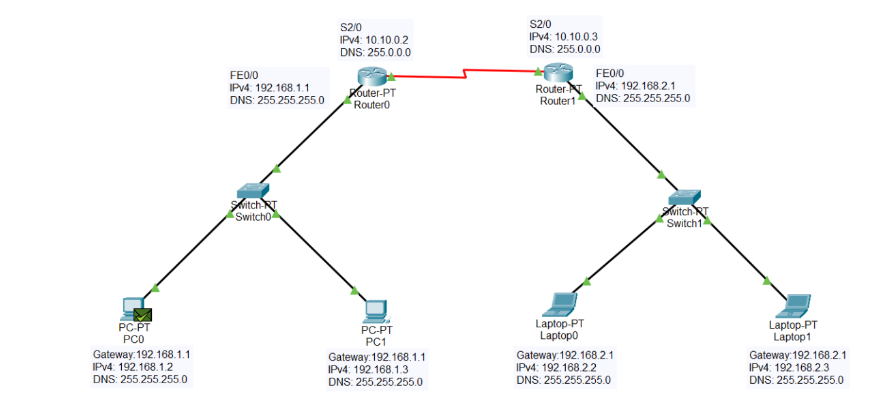


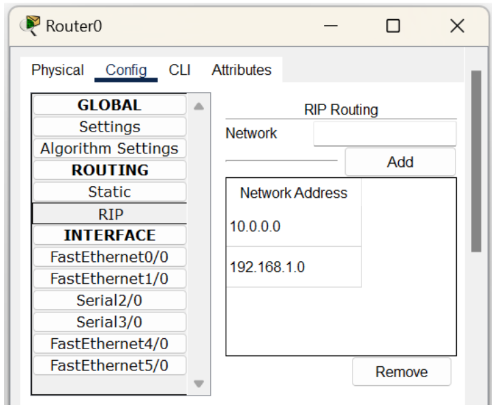
**LABORATORY PROGRAM-9**

Configure RIP routing protocol in router.

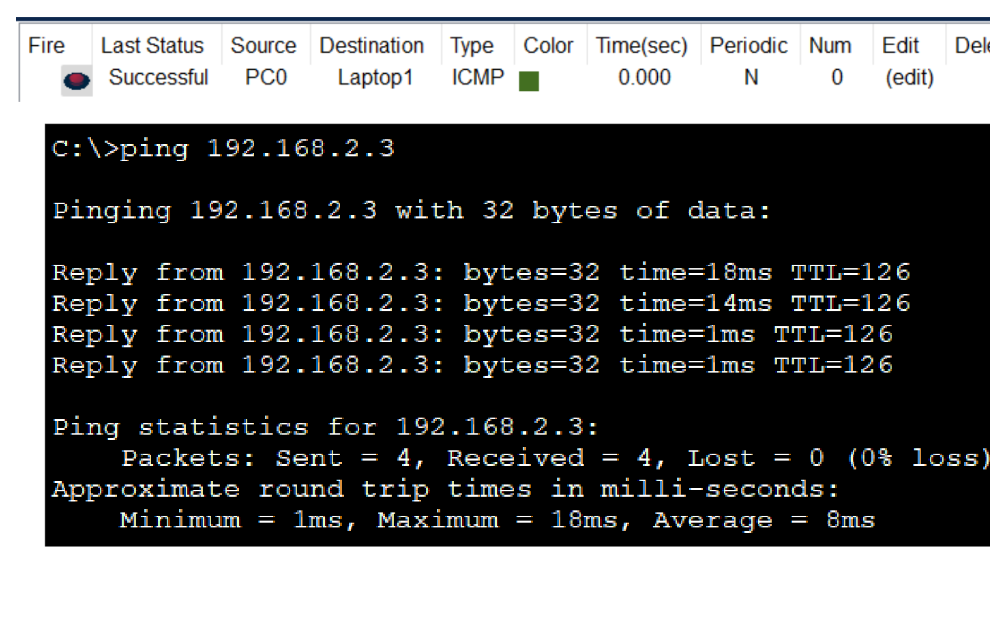






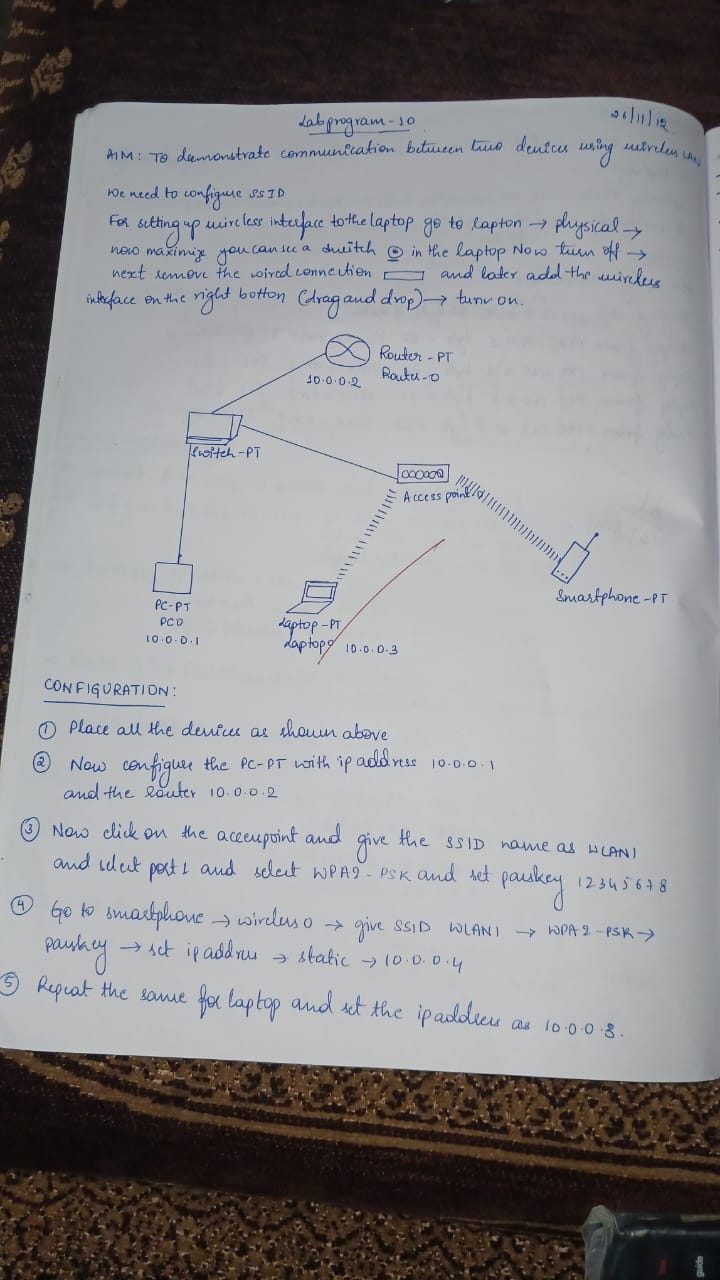


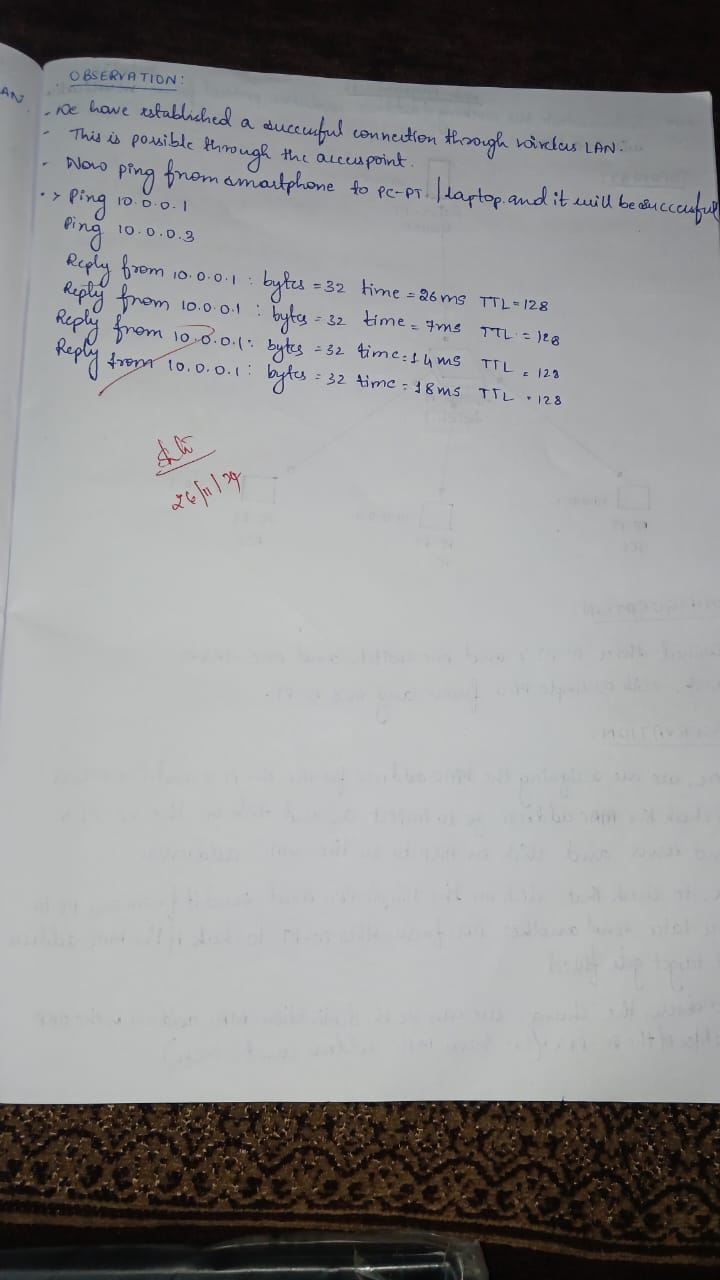


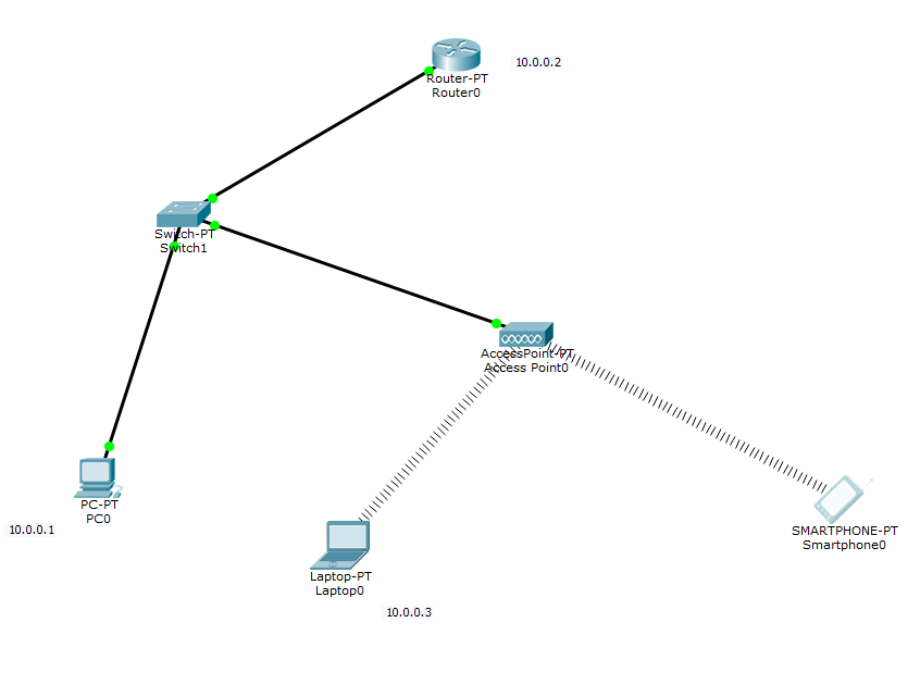


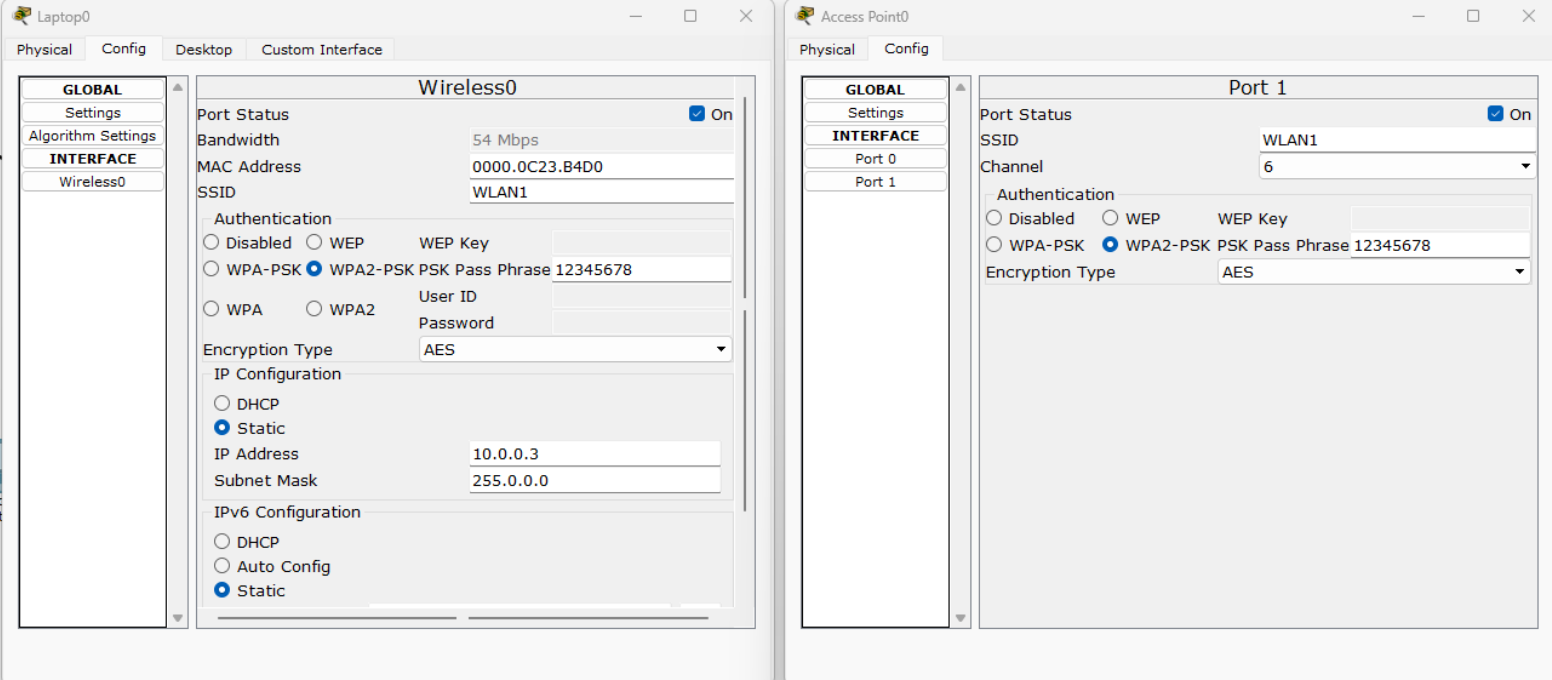
**LABORATORY PROGRAM-10**

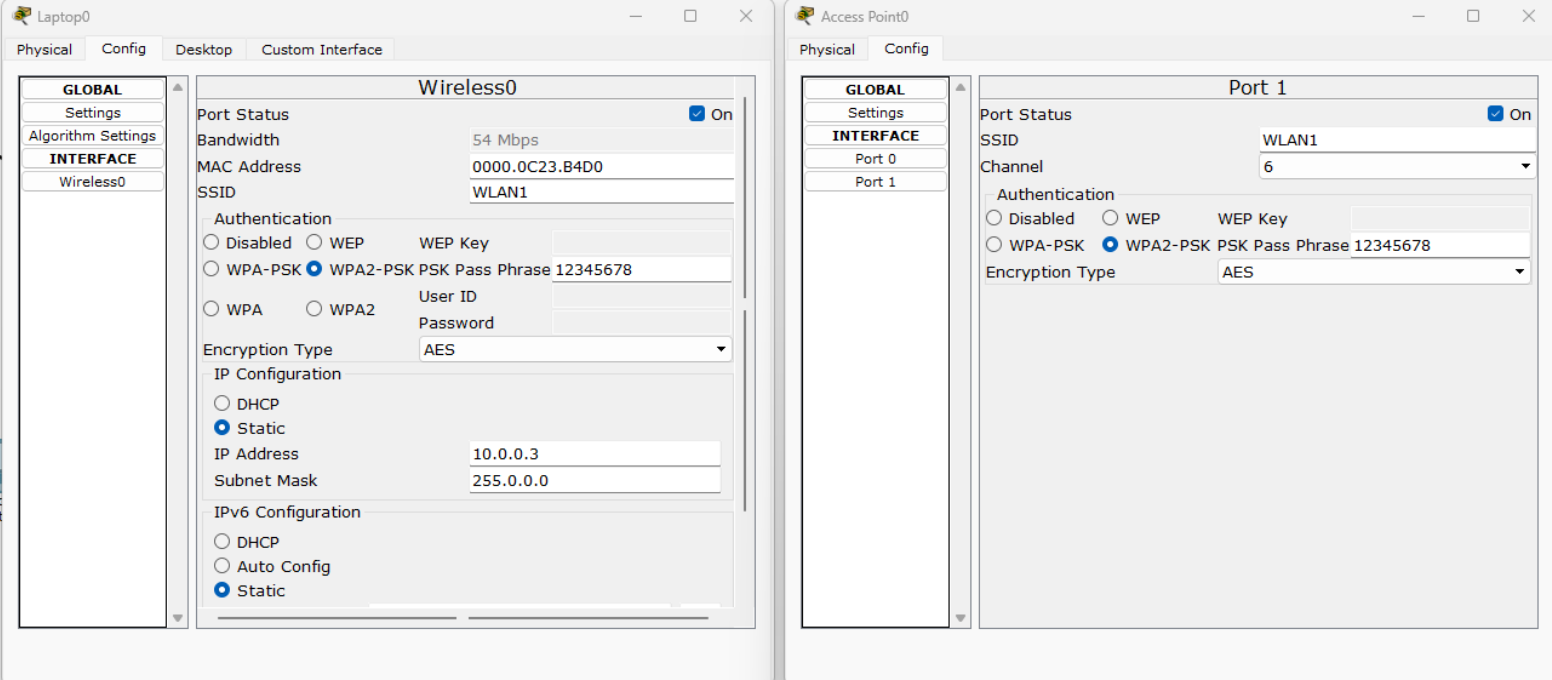
To demonstrate the communication between two devices using wireless LAN.

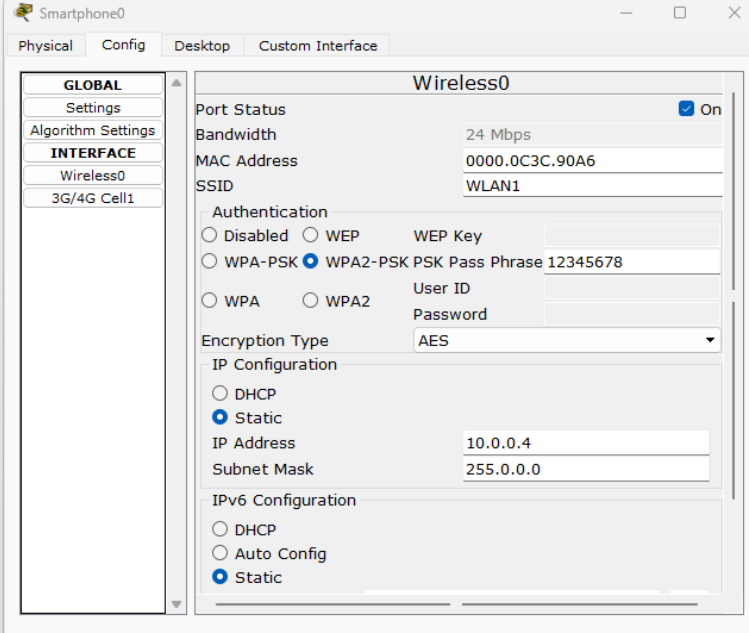




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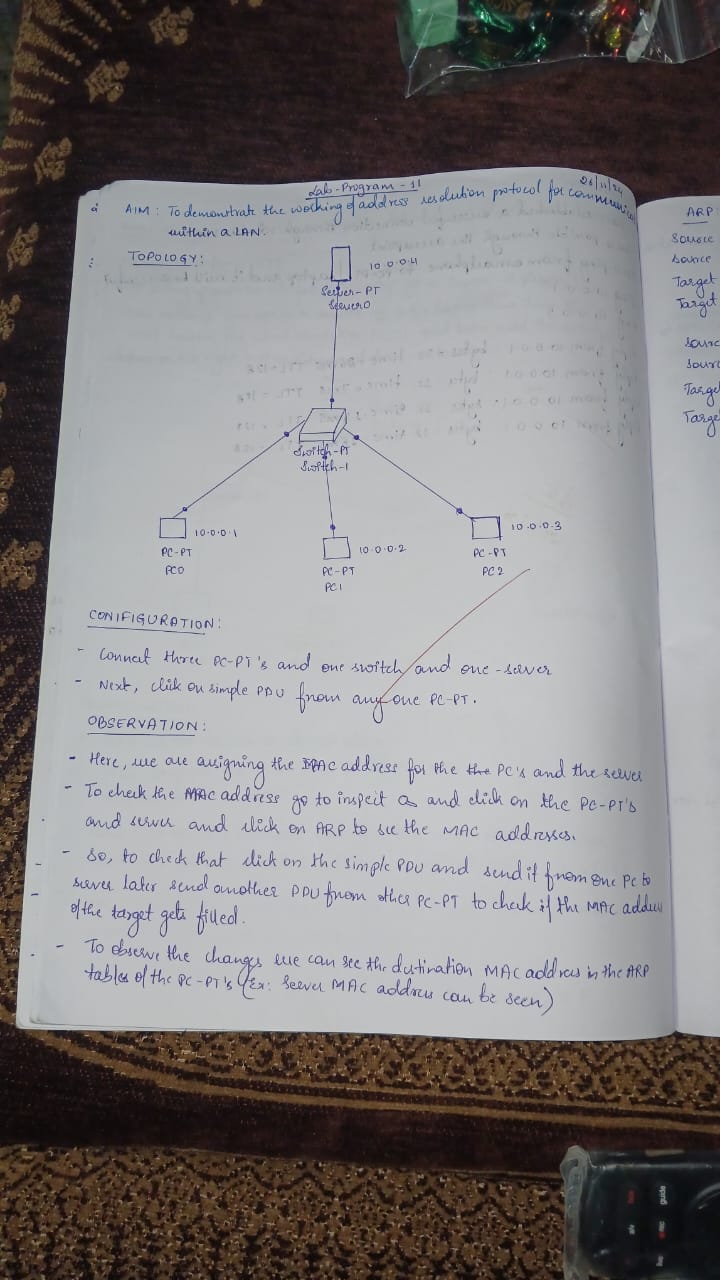
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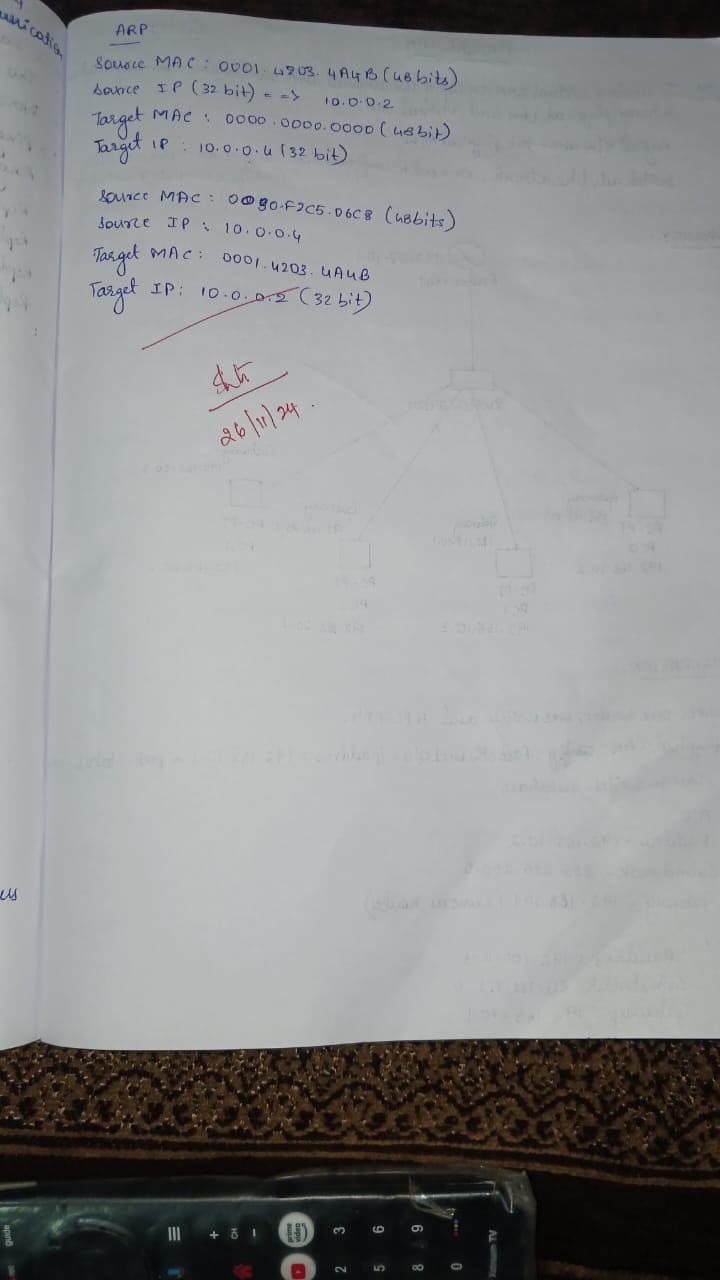
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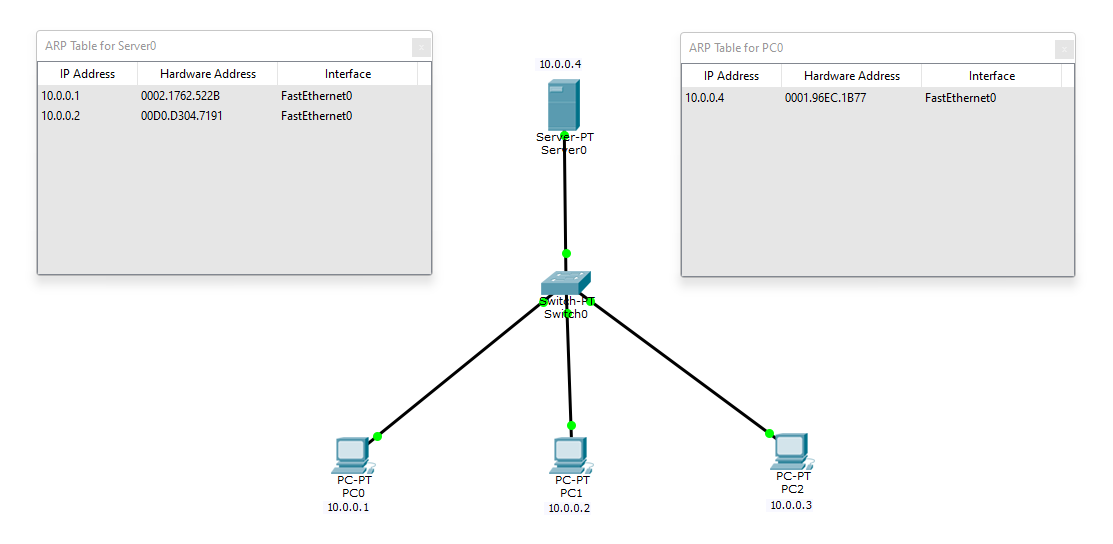


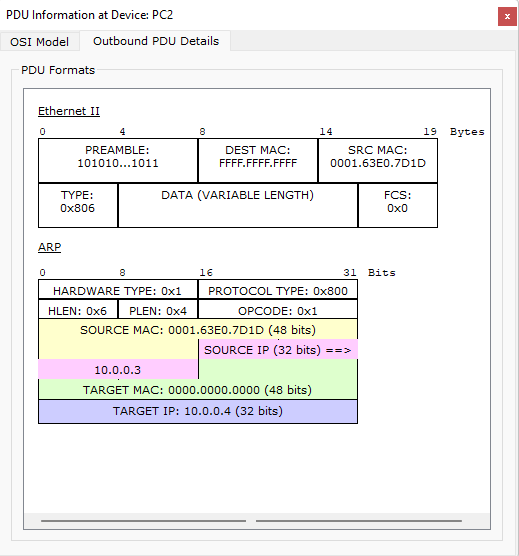
**LABORATORY PROGRAM-11**

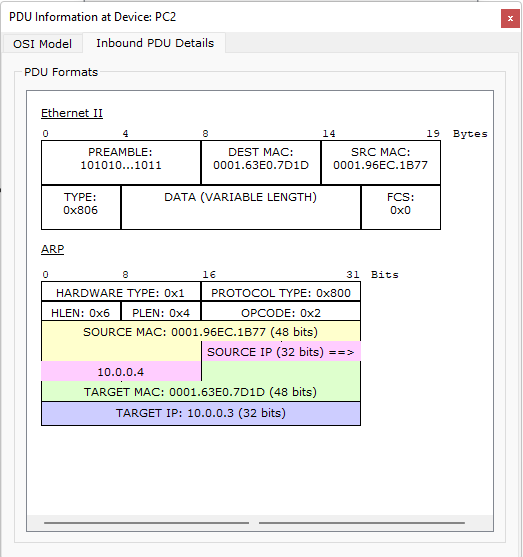
To demonstrate the working of ARP for communication within a LAN.



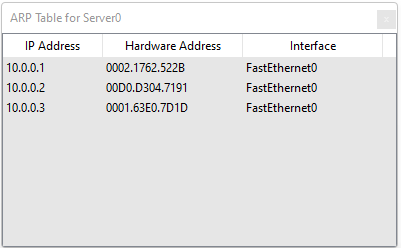












**LABORATORY PROGRAM-12**

To create a virtual LAN on top of the physical LAN and enable communication between physical LAN and virtual LAN.

