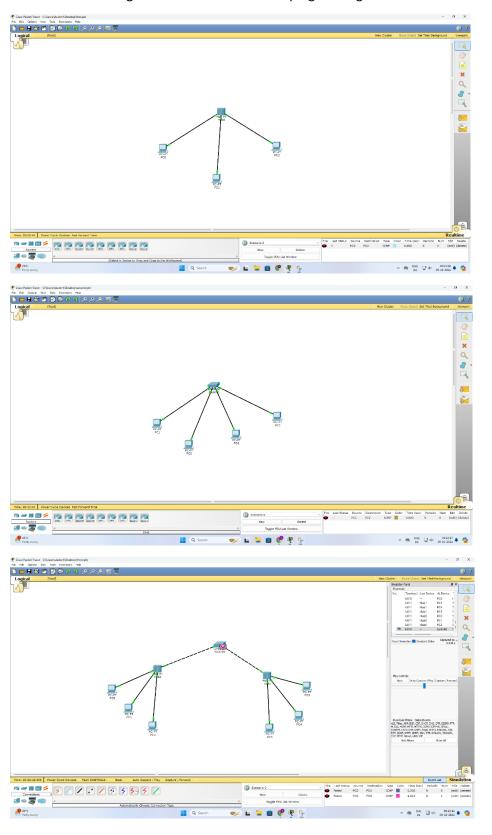
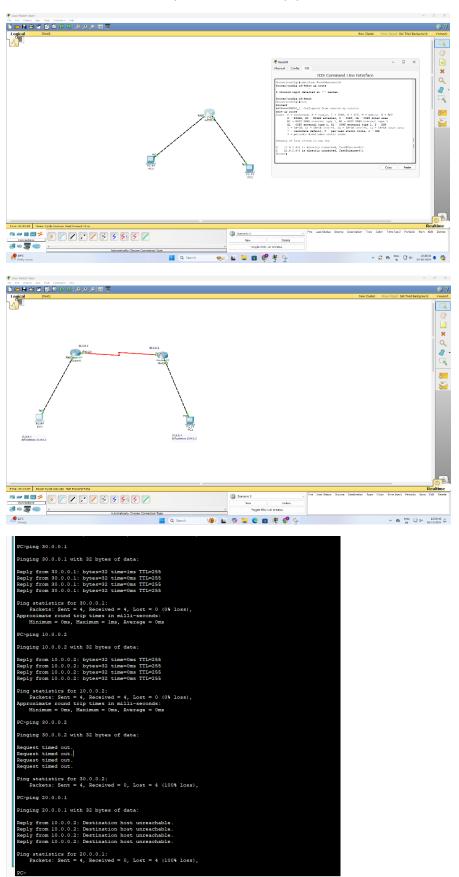
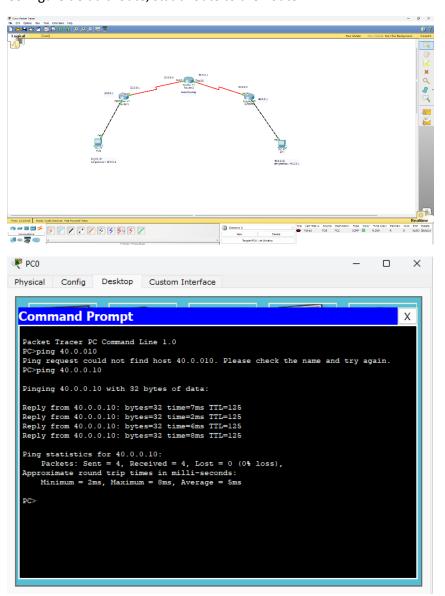
Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices and demonstrate ping message.



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

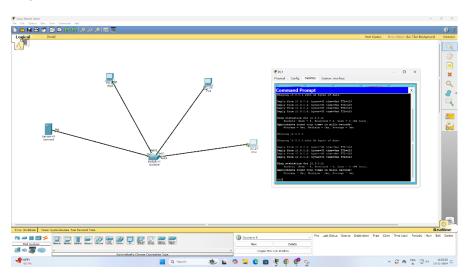


Configure default route, static route to the Router.

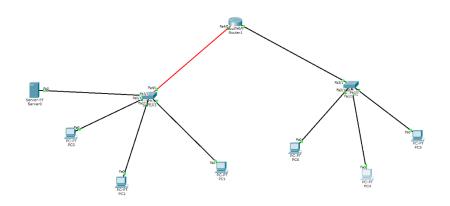


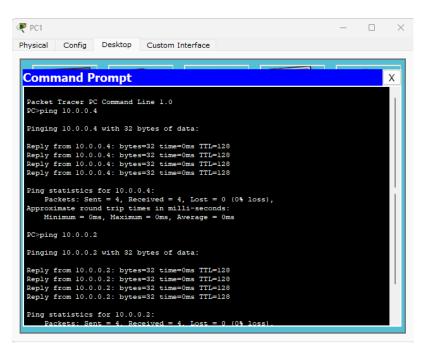
Configure DHCP within a LAN and outside LAN.

Within LAN:

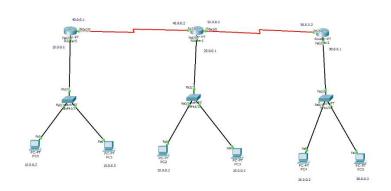


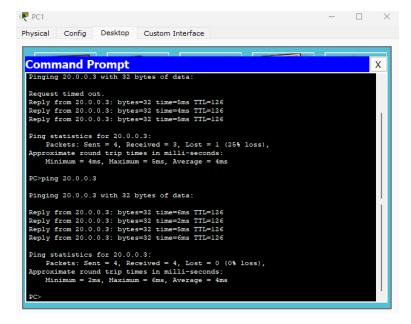
Outside LAN:



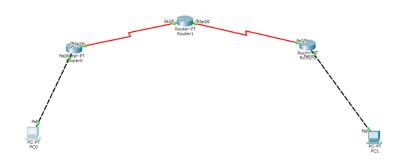


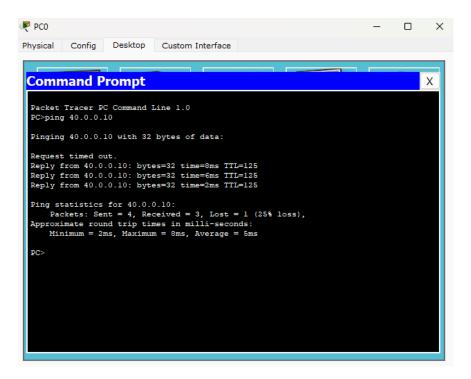
Configure RIP routing Protocol in Routers.



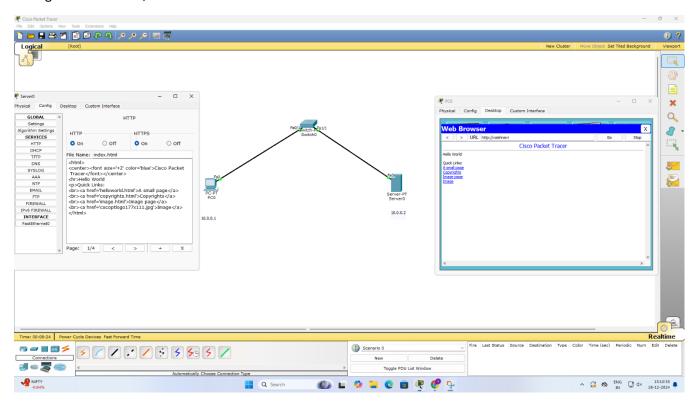


Configure OSPF routing protocol.

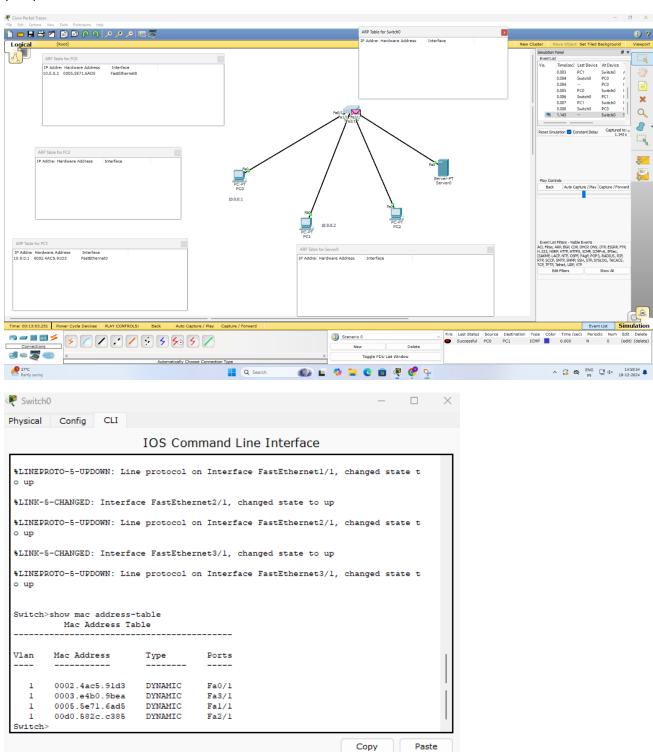




Configure Web Server, DNS within a LAN.



To construct simple LAN and understand the concept and operation of Address Resolution Protocol (ARP)



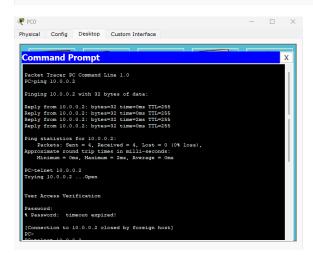
To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

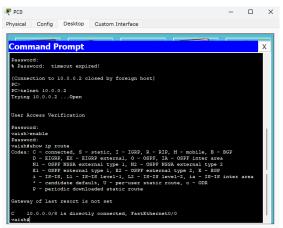


```
Press RETURN to get started!

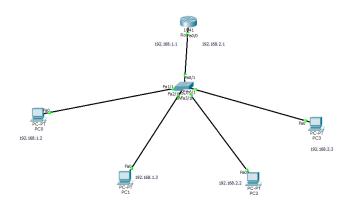
Router-enable
Router-configuration commands, one per line. End with CNTL/Z.
Router(config) storname vaish
Router(config) storname vaish
Router(config) storname vaish
Router(config) storname vaish
Vaish(config) storname vaish
Vaish(config) storname vaish
Vaish(config-if) sp address 10.00.2 255.00.0

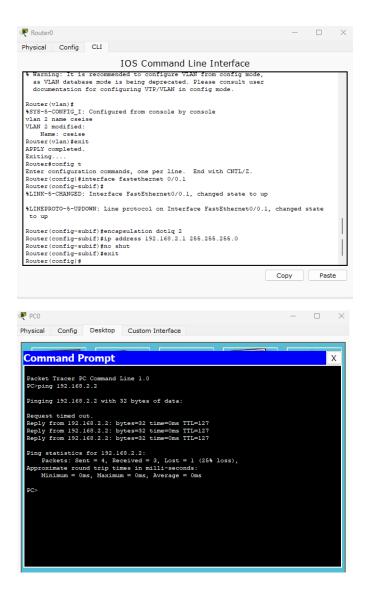
vaish(config-ine) storname vaish
Router Space Vaish(config-ine) storname vaish
Router Space Vaish(config-ine) storname vaish(config-ine) vaish(config-ine) storname vaish(config-ine) vaish(config-ine
```





To construct a VLAN and make the PC's communicate among a VLAN.





To construct a WLAN and make the nodes communicate wirelessly.

