

ISAA LAB ASSIGNMENT - 6

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REGISTRATION NUMBER	19BCE2196

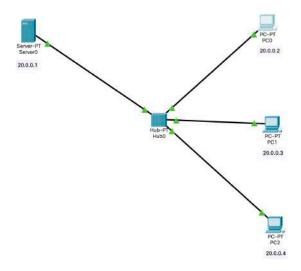
6(A) Firewall configuration using Cisco packet tracer

Description:

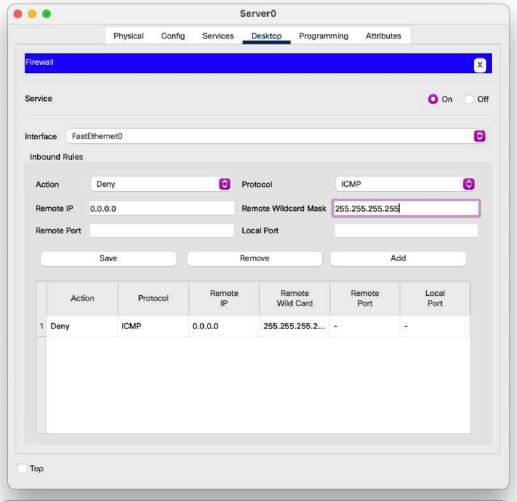
Server is placed, Hub, Connecting 3 PC's with the hub, Server's services that is working on firewall, Implementing to deny packets which is related to ICMP protocol

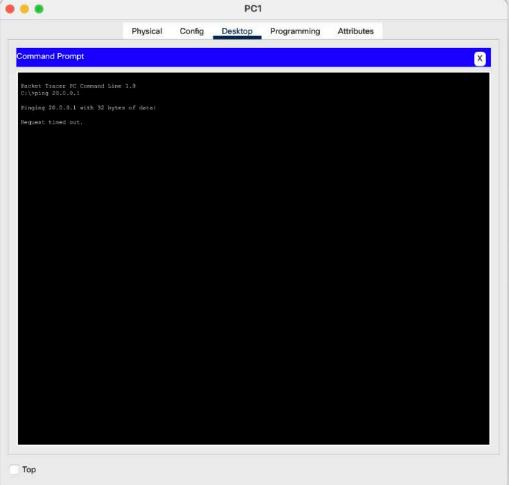
IP Configuration of all the three PCs: 20.0.0.2, 20.0.0.3, 20.0.0.4

IP Configuration of Server: 20.0.0.1







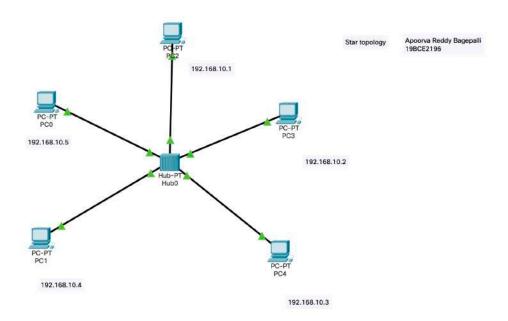




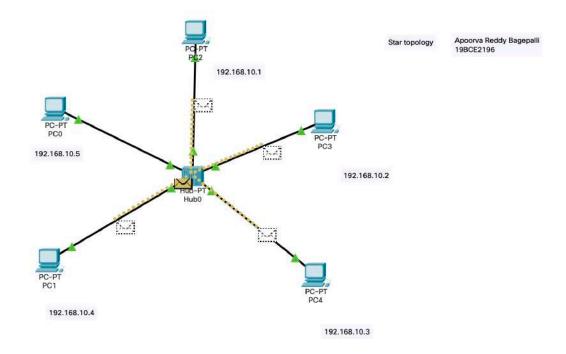
6(B) Topology configuration using packet tracer

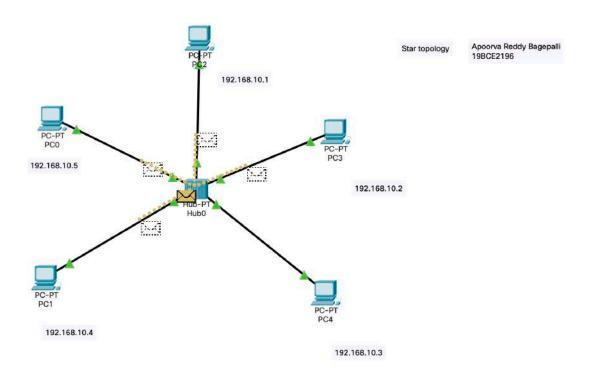
- Star Topology
- Bus Topology
- Tree Topology
- Mesh Topology

Star Topology

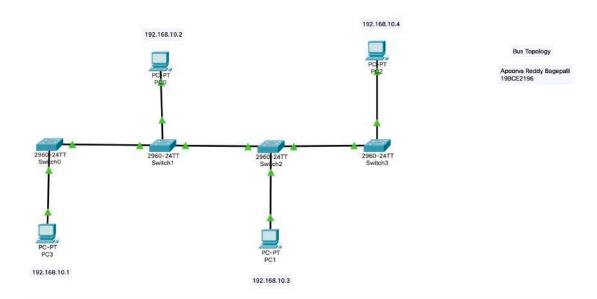




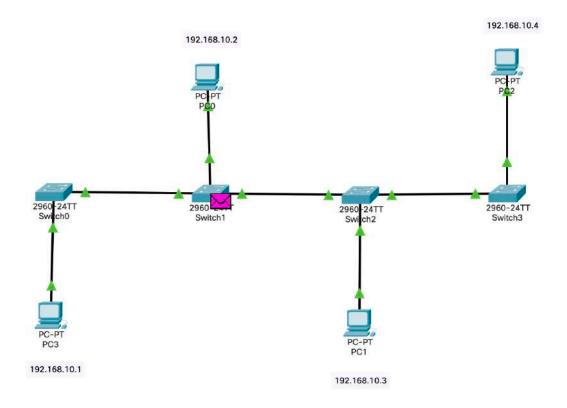


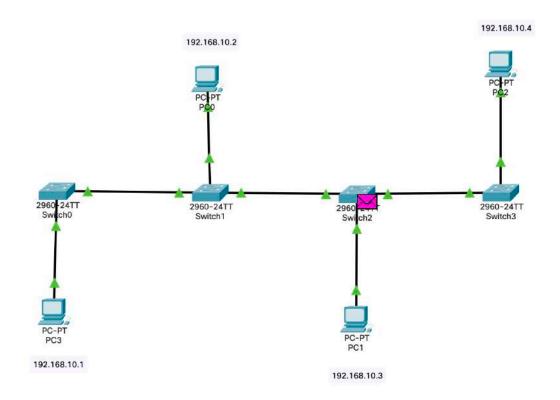


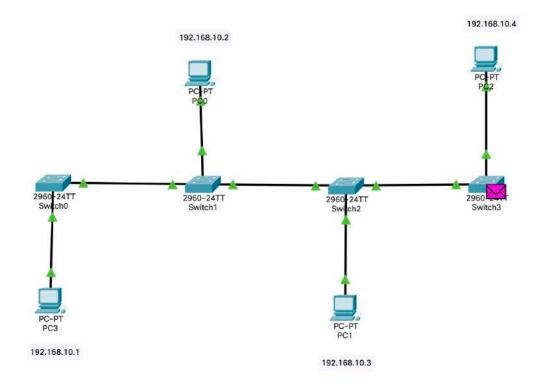
Bus Topology

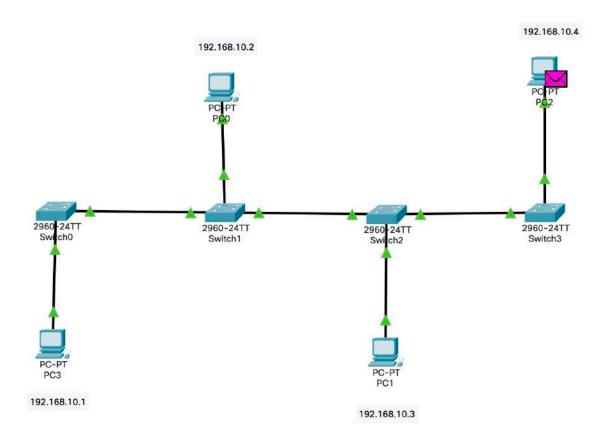




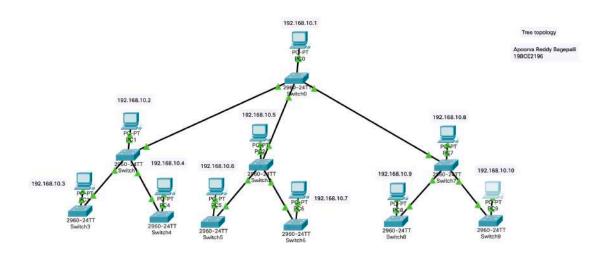




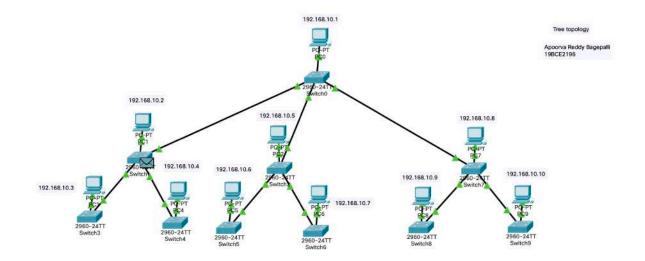


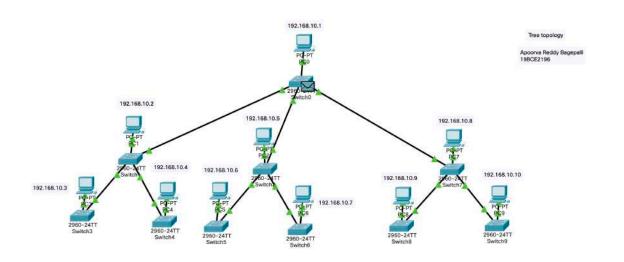


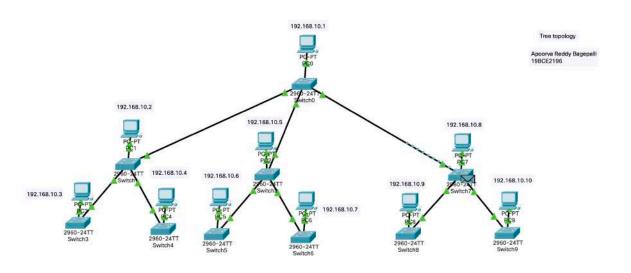
Tree Topology

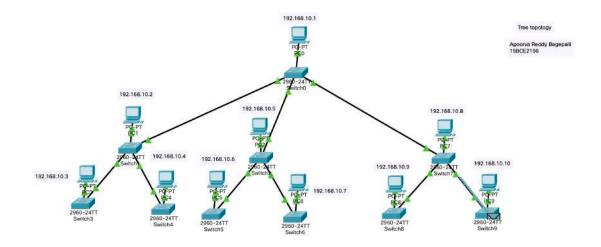


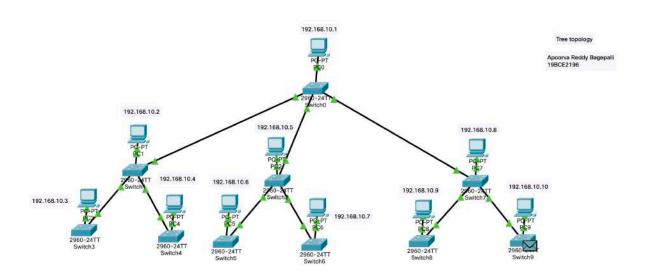




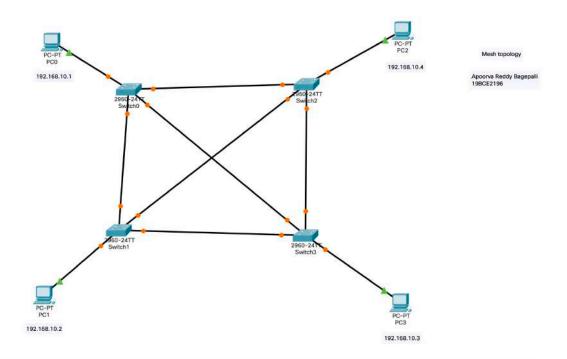




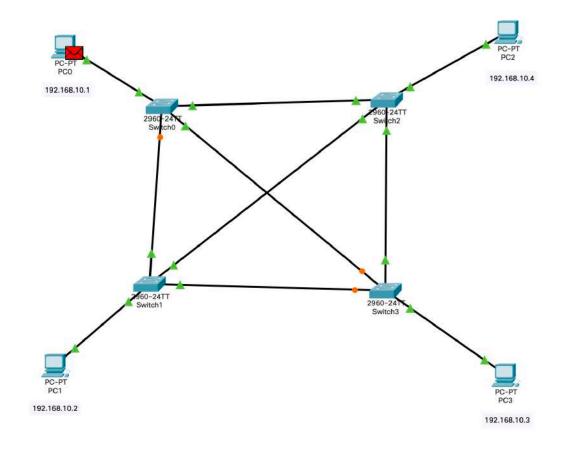


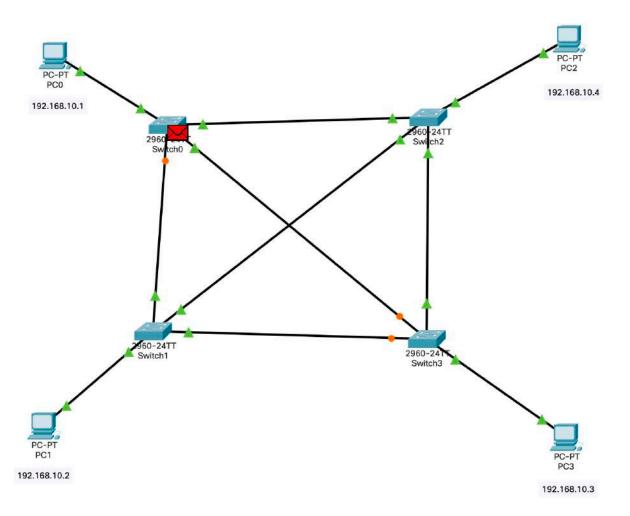


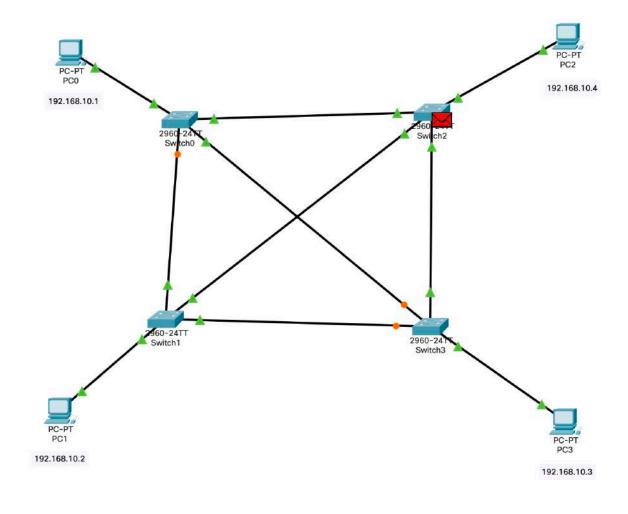
Mesh Topology

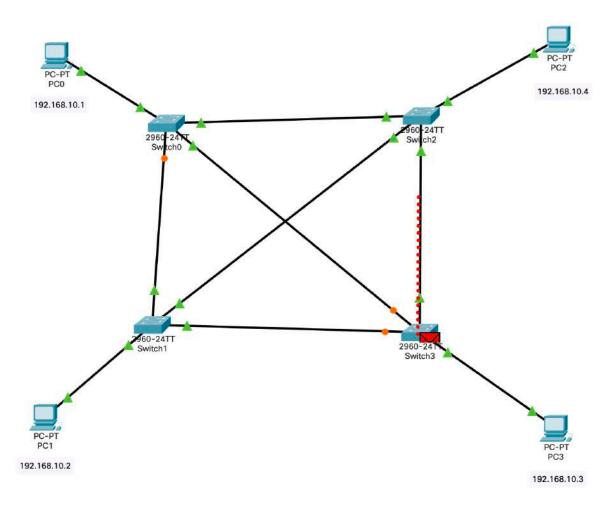


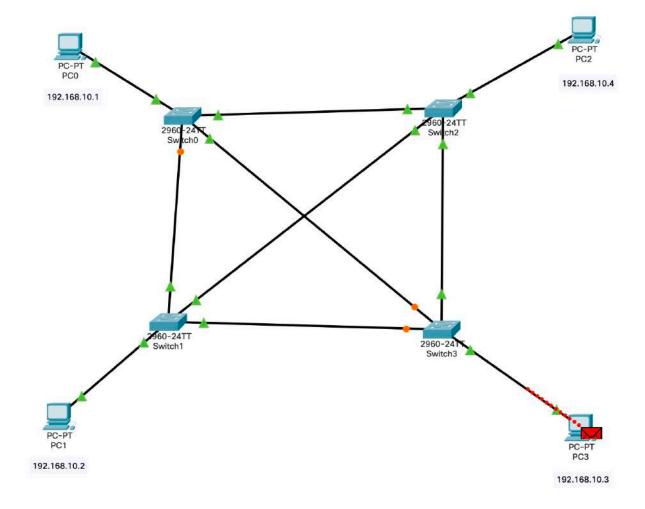




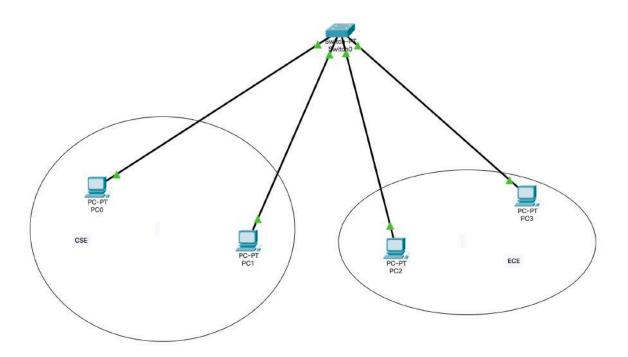




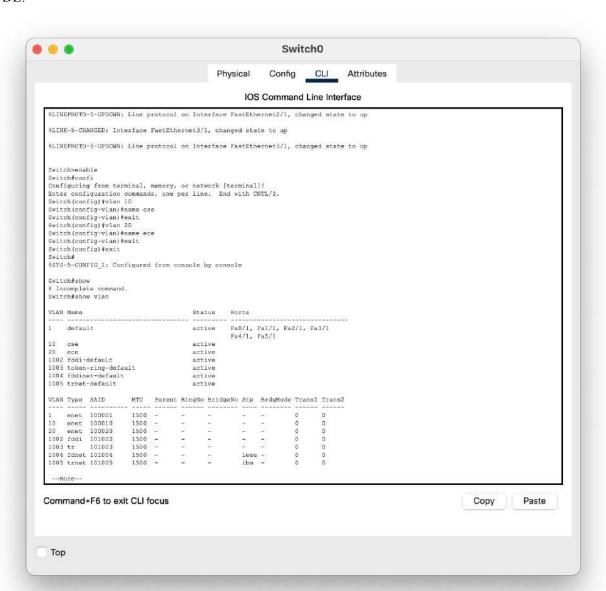




6(C) VLAN Configuration



CODE:



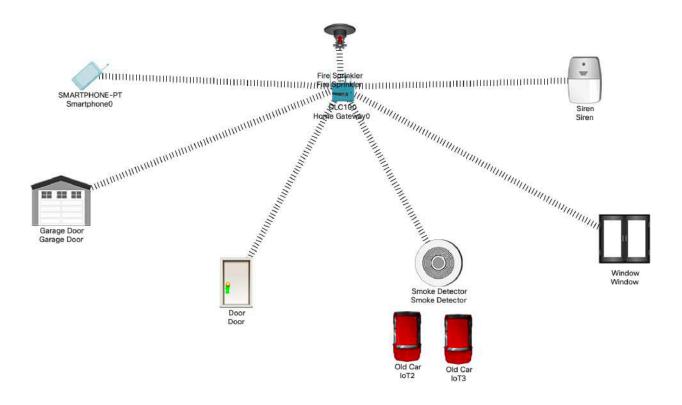


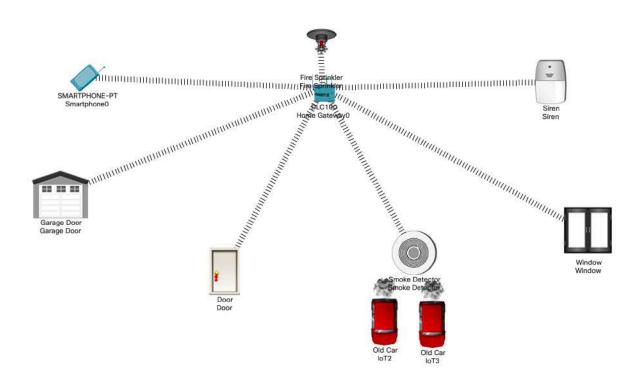
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Programming Attributes

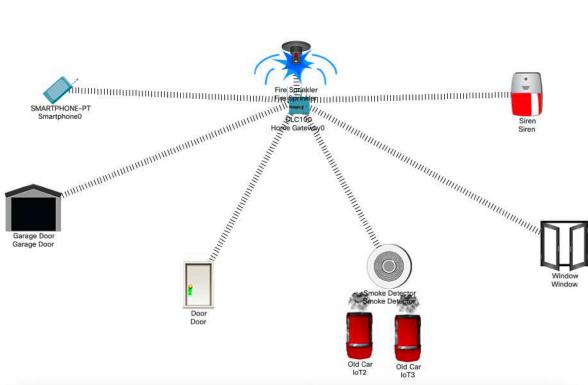
Command Prompt

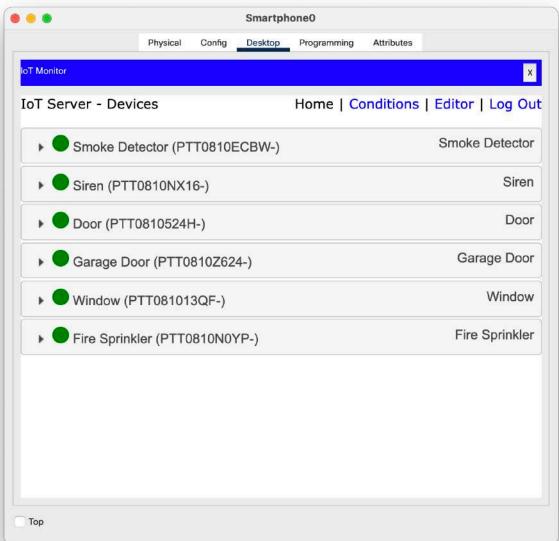
Packet Traces PC Occessed Line 1.0
Civiping 192.103.3
Elegan 192.103.3
Elegan 192.103.3
Elegan 192.103.3
Elegan 192.103.3
Elegan 192.103.103.3
Elegan 192.103.203.3
Elegan 192.103.3
Elegan
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6(D) Fire/Smoke Detection











6(E) Smart Garden

Description:

- Drag and drop server, home router, laptop, lawn sprinkler and Water Level Monitor
- Configure server with IP address "192.168.1.10" and default gateway "192.168.1.1"
- Configure default gateway "192.168.1.1" in the home router
- Configure the SSID and WPA for the router
- Connect the router service with lawn sprinkler, laptop and Water level monitor
- Connect the IoT server with lawn sprinkler and water level monitor
- Configure conditions for the devices
- Start the process

ScreenShots:

