

SAKSHI SUNIL HANAMSHETTI

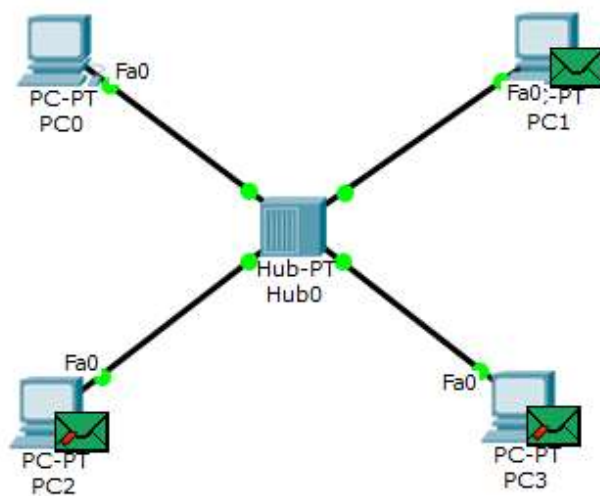
LAB 2

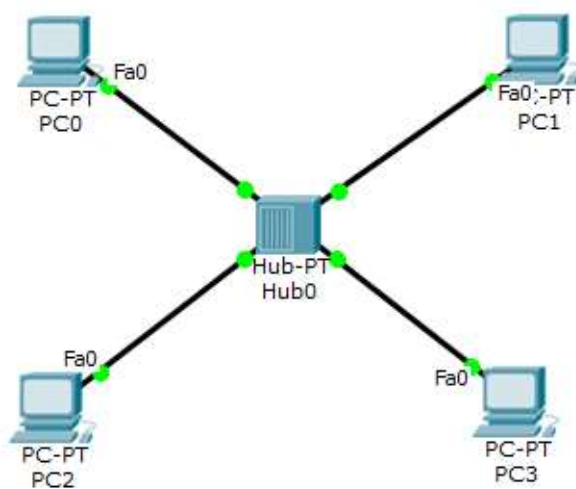
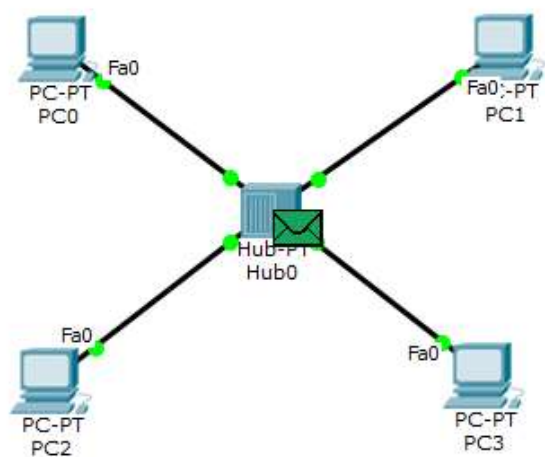
PROGRAM 1:

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

1. Using Hub

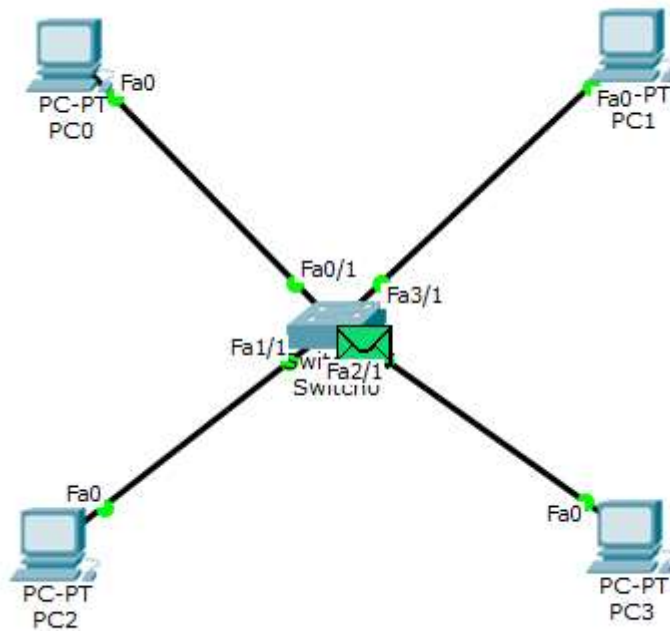
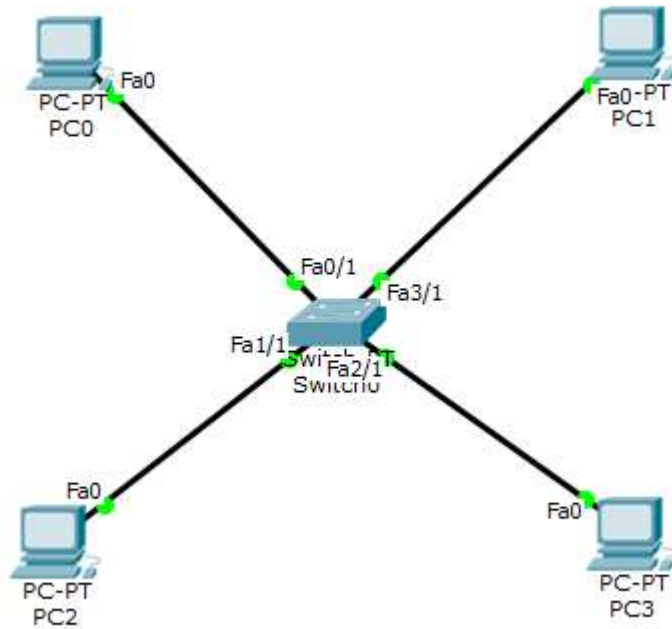
Topology:

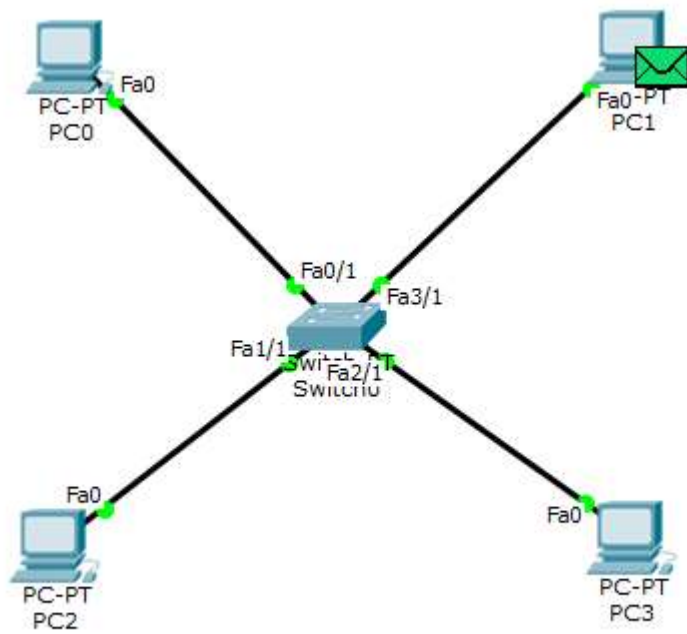
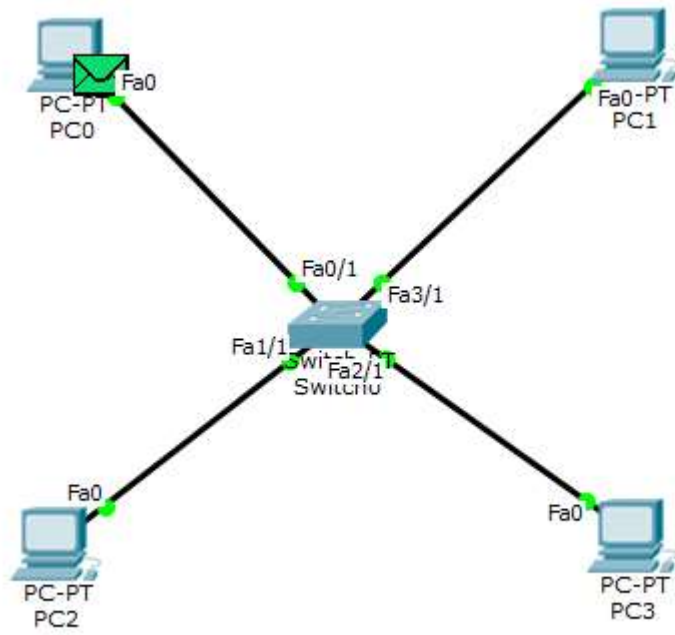




2.Using Switch

Topology:





Result:

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C:\Users\bmsce>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::c973:5aed:db3d:a57b%4
    IPv4 Address. . . . . : 10.124.7.99
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . : 10.124.0.11

Ethernet adapter Ethernet 3:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

C:\Users\bmsce>ping 10.124.7.98

Pinging 10.124.7.98 with 32 bytes of data:
Reply from 10.124.7.98: bytes=32 time<1ms TTL=128
Reply from 10.124.7.98: bytes=32 time=1ms TTL=128
Reply from 10.124.7.98: bytes=32 time=1ms TTL=128
Reply from 10.124.7.98: bytes=32 time<1ms TTL=128

Ping statistics for 10.124.7.98:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
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