

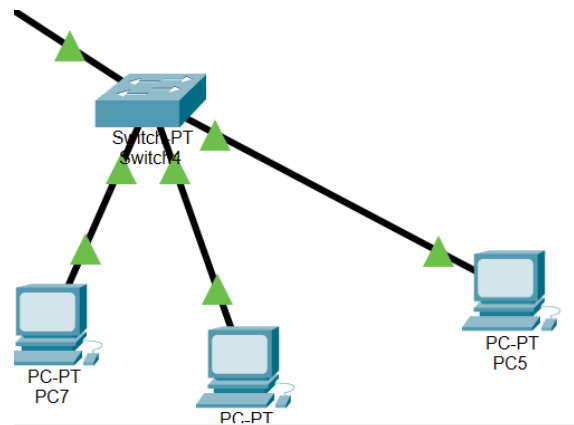
AIM:

Design a hybrid network using star and ring topology.

Use class A and class C ip address

PROCEDURE**Step 1:**

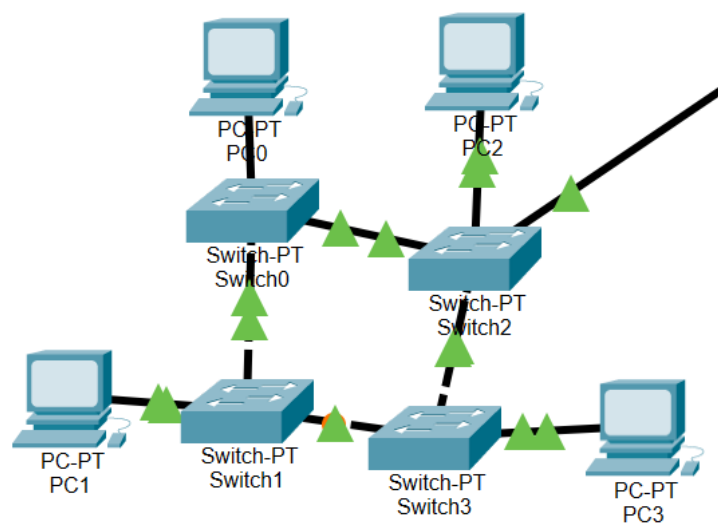
Make a Star Topology

**Step 2:**

Assign Ip address to every PC

Step 3:

Make Ring topology

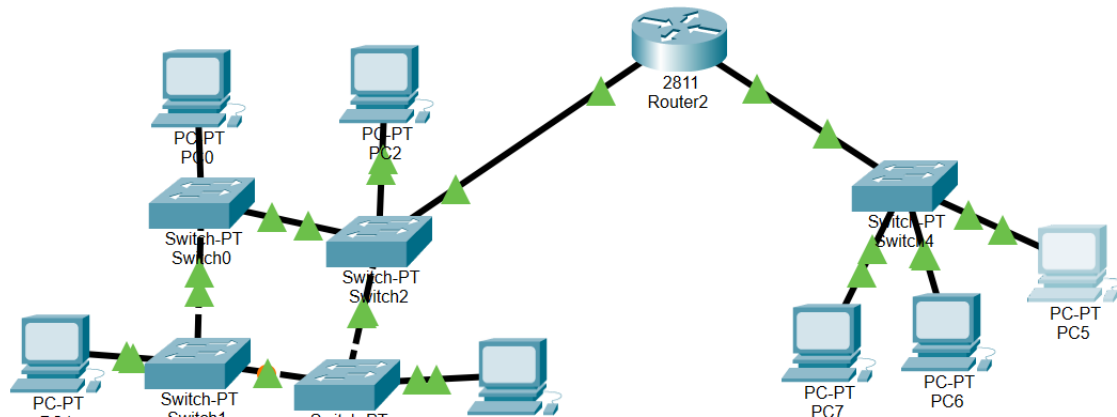


Step 4:

Assign IP address to every PC

Step 5:

Connect the both networks with the help of router

**Step 6:**

Configure the router

Step 7:

Run ping test

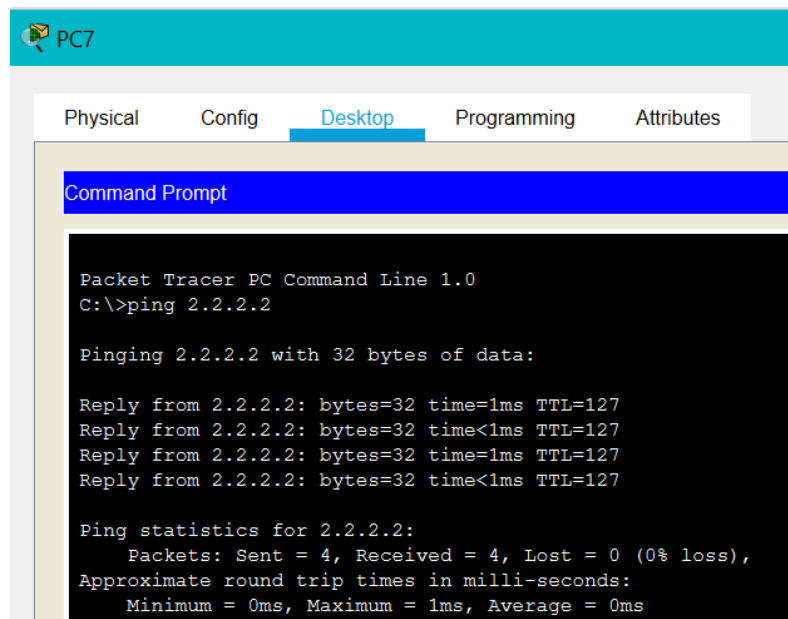
The screenshot shows a Packet Tracer PC Command Line window for PC1. The 'Desktop' tab is selected, and the 'Command Prompt' application is open. The command prompt displays the output of a ping test performed from PC1 to the IP address 192.168.1.1. The output shows four successful replies with 32 bytes of data, a time of 1ms, and a TTL of 255. The ping statistics indicate that all four packets were sent and received, with 0% loss.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```



The screenshot shows the Packet Tracer interface for PC7. The 'Desktop' tab is selected, displaying a 'Command Prompt' window. The text in the Command Prompt is as follows:

```
Packet Tracer PC Command Line 1.0
C:\>ping 2.2.2.2

Pinging 2.2.2.2 with 32 bytes of data:

Reply from 2.2.2.2: bytes=32 time=1ms TTL=127
Reply from 2.2.2.2: bytes=32 time<1ms TTL=127
Reply from 2.2.2.2: bytes=32 time=1ms TTL=127
Reply from 2.2.2.2: bytes=32 time<1ms TTL=127

Ping statistics for 2.2.2.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

CONCLUSION:

Thus we have constructed a hybrid topology using class A and class C IP address