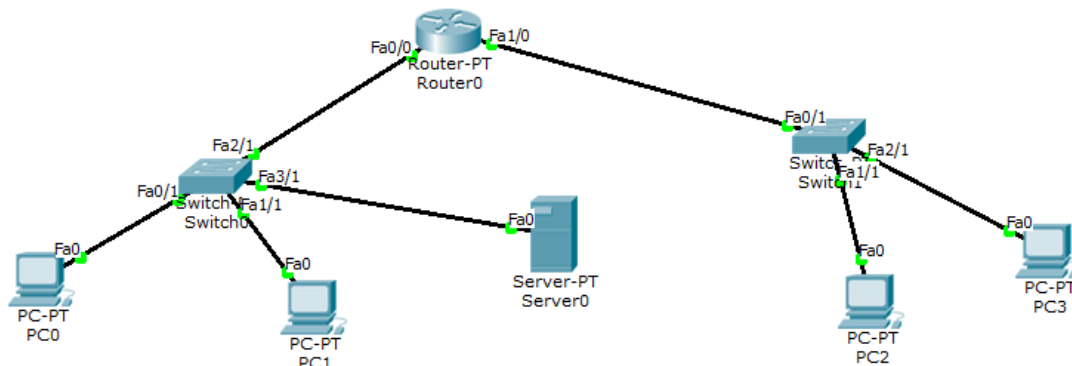


Experiment 5:

Aim: Construct a topology consisting of two LAN connections which consists of end devices, switch and server. Simulate DHCP(Dynamic Host Configuration Protocol).

Topology:



Ping status after the gateway is setup:

```
Packet Tracer PC Command Line 1.0
PC>ping 20.0.0.22

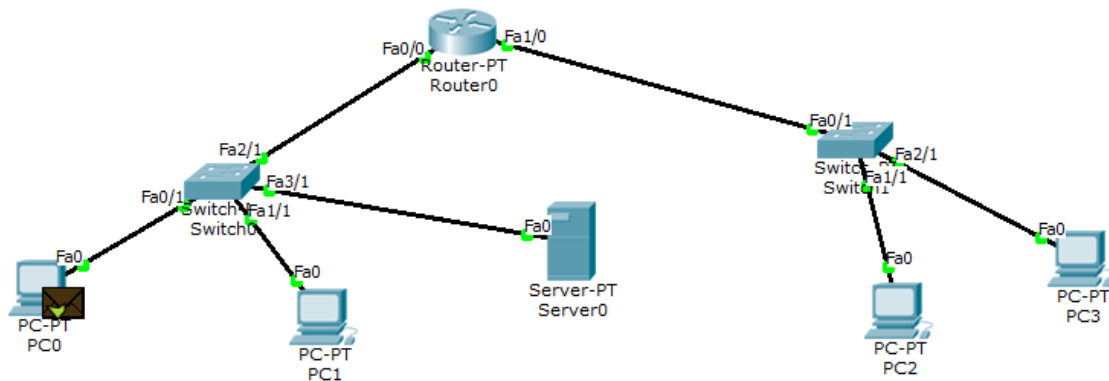
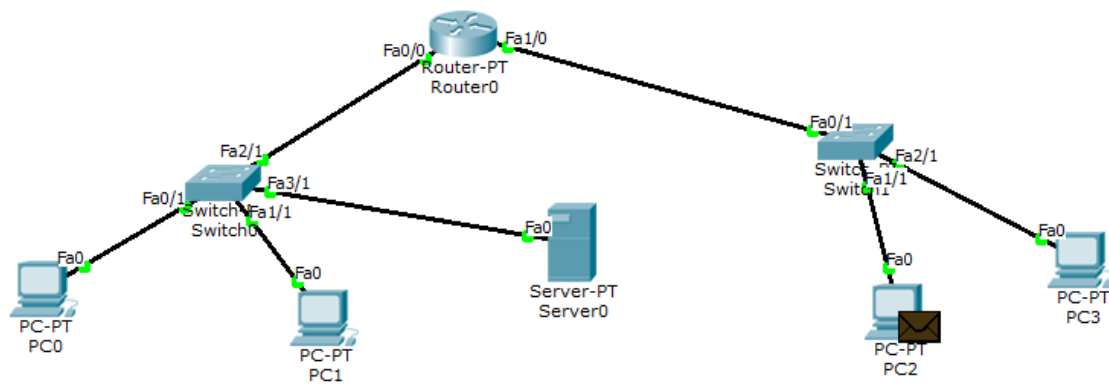
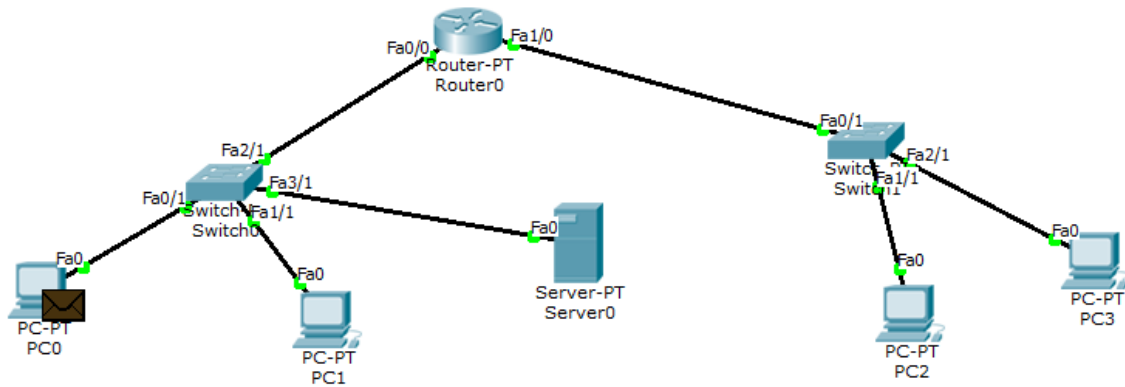
Pinging 20.0.0.22 with 32 bytes of data:

Request timed out.
Reply from 20.0.0.22: bytes=32 time=0ms TTL=127
Reply from 20.0.0.22: bytes=32 time=0ms TTL=127
Reply from 20.0.0.22: bytes=32 time=0ms TTL=127

Ping statistics for 20.0.0.22:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>|
```

Results for a simple PDU:



Ping status for the simple PDU:

```
PC>ping 20.0.0.22

Pinging 20.0.0.22 with 32 bytes of data:

Reply from 20.0.0.22: bytes=32 time=0ms TTL=127
Reply from 20.0.0.22: bytes=32 time=0ms TTL=127
Reply from 20.0.0.22: bytes=32 time=0ms TTL=127
Reply from 20.0.0.22: bytes=32 time=0ms TTL=127

Ping statistics for 20.0.0.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```