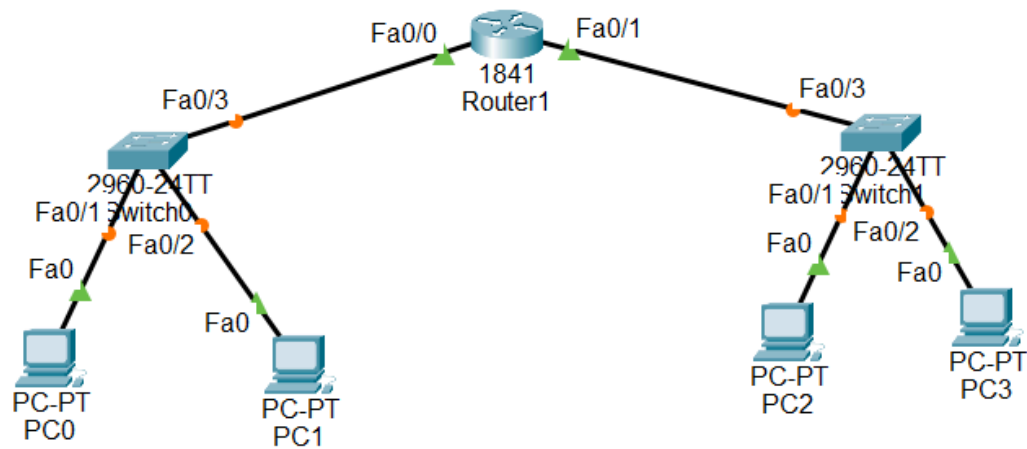


Program – 4:

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

Topology:



Procedure:

1. Network Setup

Two PCs connected through a switch and router.

- **PC0 IP:** 192.168.2.100
- **PC1 IP:** 192.168.2.101

Output:

```
PC>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.2.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 192.168.1.100

Pinging 192.168.1.100 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
```

Observation:

pc> ping 192.168.2.101
Pinging 192.168.2.101 with 32 bytes of data:
Reply from 192.168.2.101: ...
Reply from 192.168.2.101: ...
Reply from 192.168.2.101: ...
Reply from 192.168.2.101: ...
This indicates successful connectivity.

pc> ping 192.168.2.10
Pinging 192.168.2.10 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Meaning: No device with this IP is present in the network.

Fig 3.2 DNS Server Records