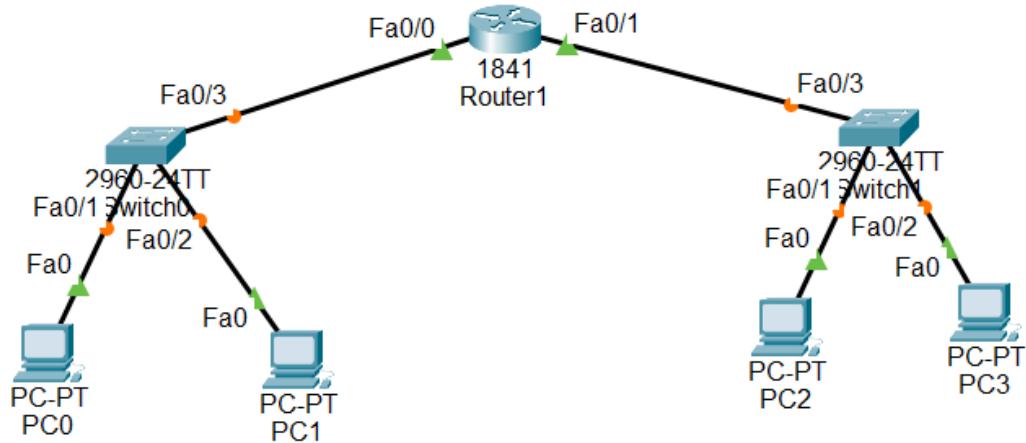


## **Program – 4:**

**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