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**V-A Section**

**1BM18CS024**

**CN Lab Week 3**

**Configuring Static Routes in a Multiple Router Topology**

**Observations/Learnings**

1. Creating a multiple router topology by connecting routers through *serial ports* and PC-router through *fast ethernet*.
2. Assigning ip addresses(gateway) to routers using the same method as in lab 2 and PCs
3. Pinging PC1 from PC0 at this state gives **destination host unreachable**
4. Viewing the routers ip routes using show ip route
5. Adding static routes to the routers using ip route <dest. network> <subnet mask> <next hop> in privileged (enable) configure (configure terminal) mode.
6. Pinging PC1 from PC0 and PC0 from PC1 now works as expected.