

Harshit Hiremath

1BM18CS036

A2 Batch

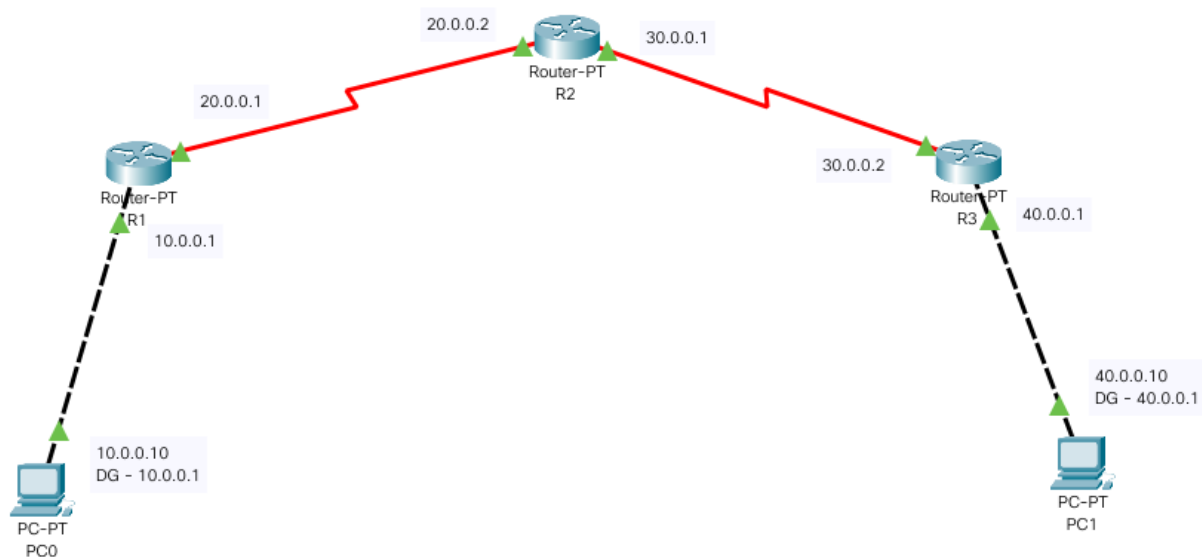
# Configuring Static Routes in Multiple Router Topology

---

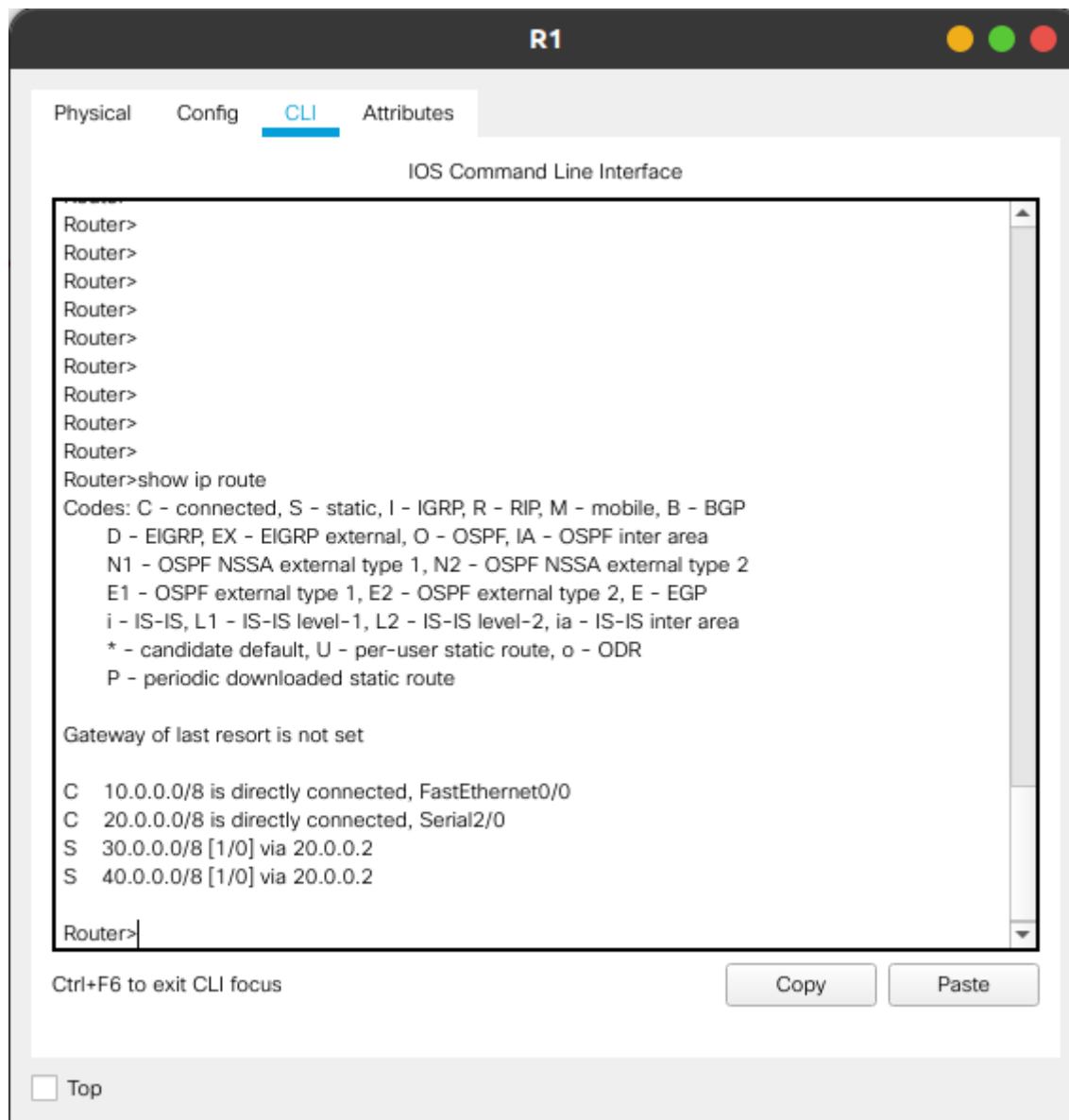
## Observations

1. Creating a multiple router topology by connecting routers on Serial ports and PC-router through Fast Ethernet ports.
  2. Assigning IP addresses and gateway to routers as shown in topology below.
  3. Pinging PC1 from PC0 at this state gives **destination host unreachable**
  4. Adding static routes to the routers using **ip route <dest. network> <subnet mask> <next hop>** in *configure terminal* mode.
  5. Pinging PC1 from PC0 and PC0 from PC1 now works as expected (shown in images below).
- 

## Topology

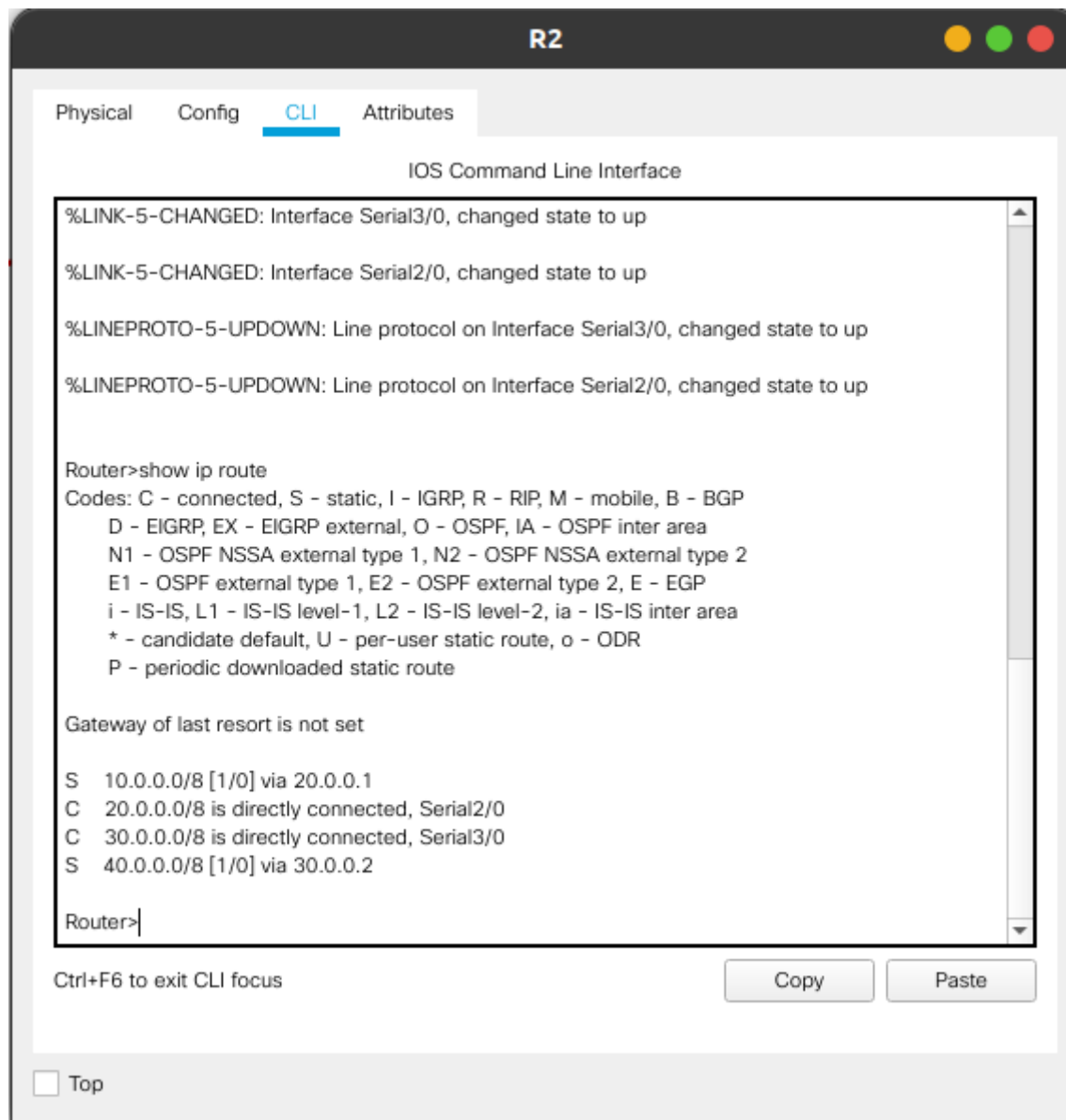


## Router R1 Static IP routes



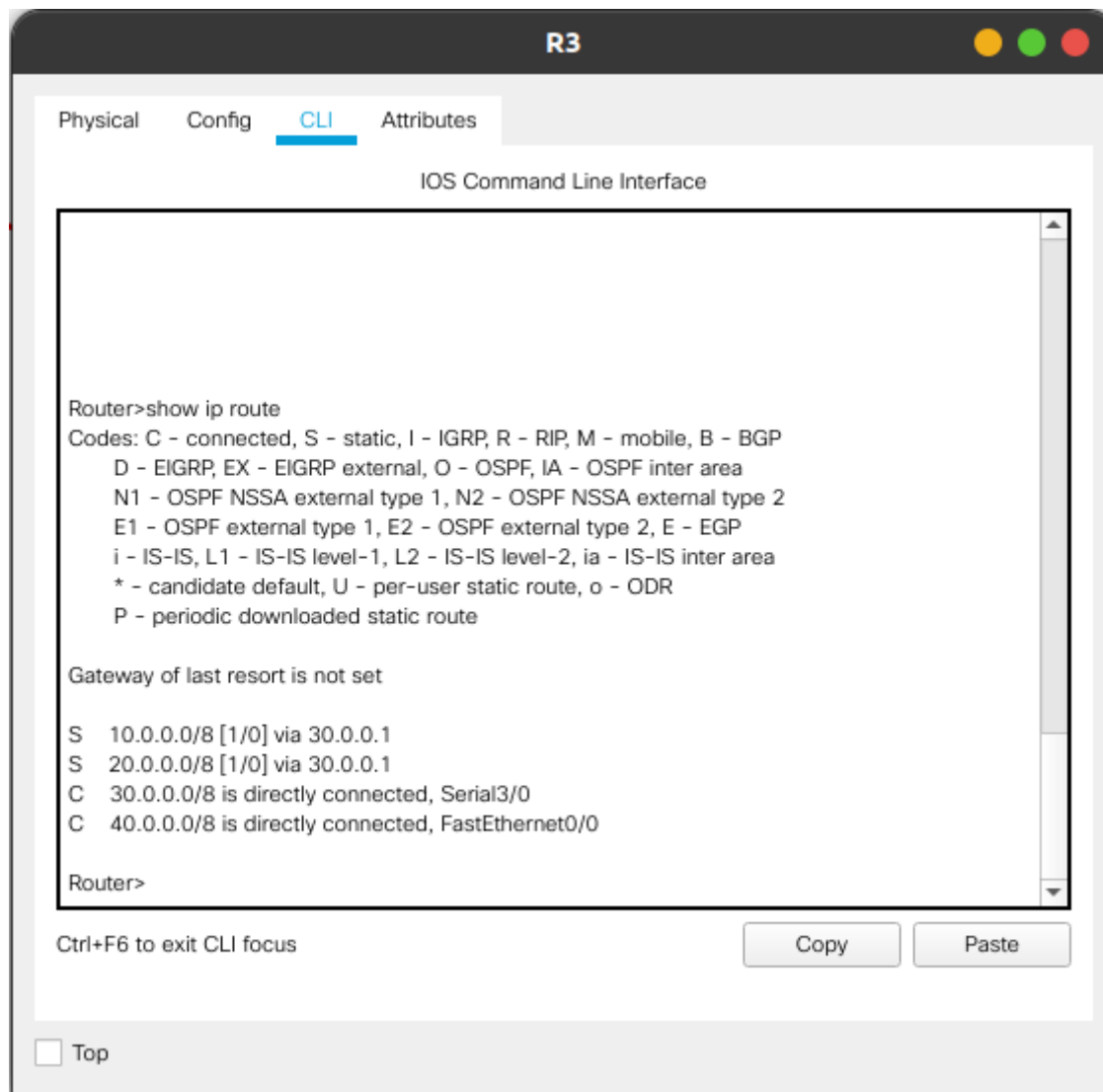
---

## Router R2 Static IP routes



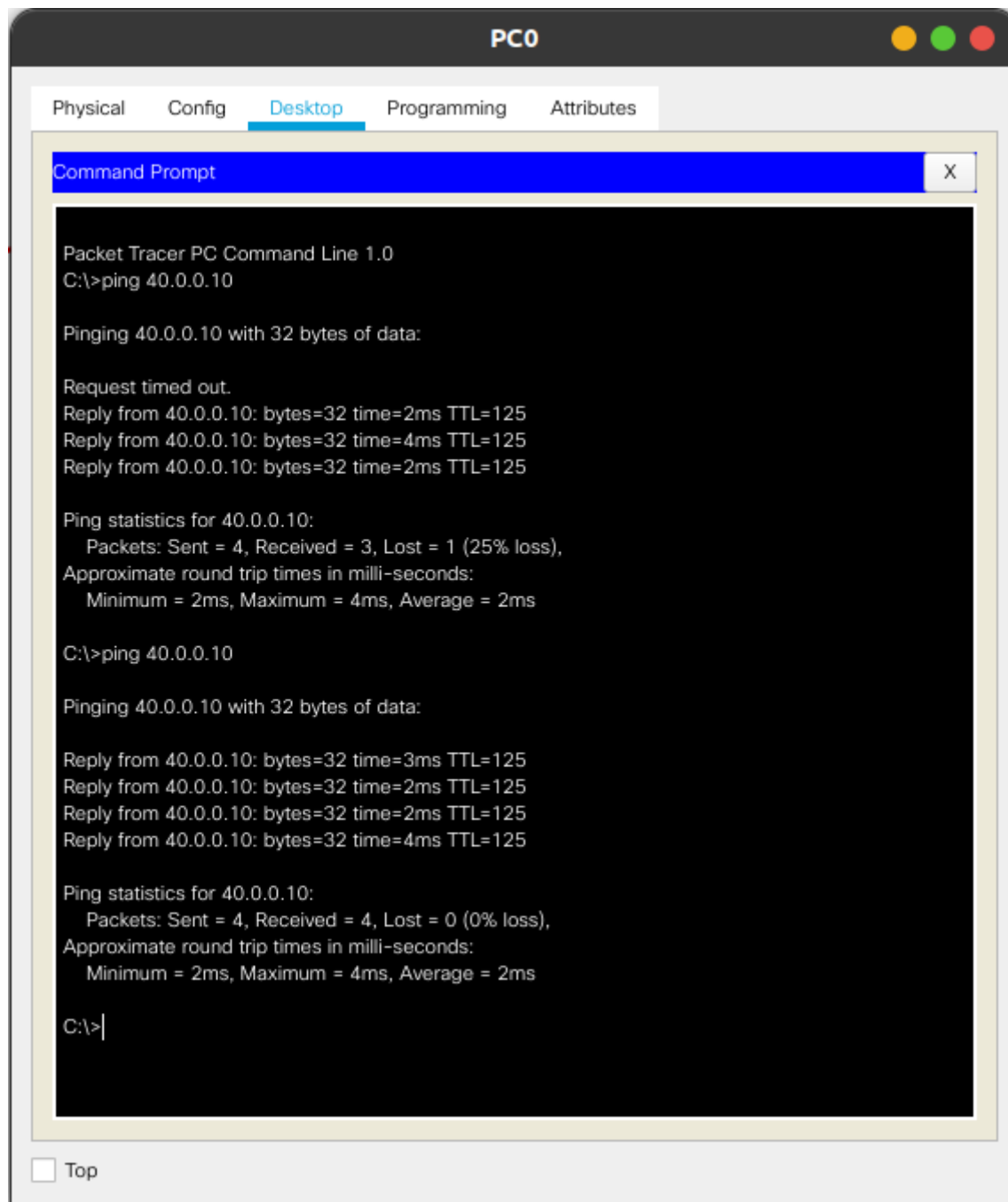
---

## Router R3 Static IP routes



---

PC0 pinging PC1



---

## PC1 ping ping PC0

