Q6) Configure a management VLAN and assign an IP address for remote access. Test SSH or Telnet access to the switch

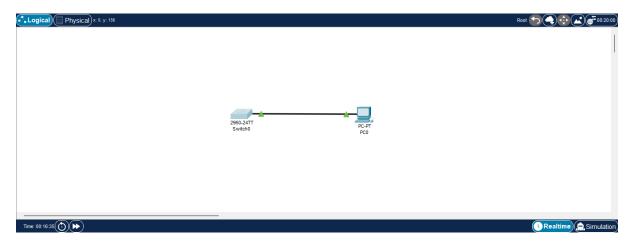
Management VLAN:

A Management VLAN is a dedicated VLAN used exclusively for remote administration of network devices like switches, routers, and access points. It allows administrators to securely manage devices without exposing control traffic to regular data VLANs.

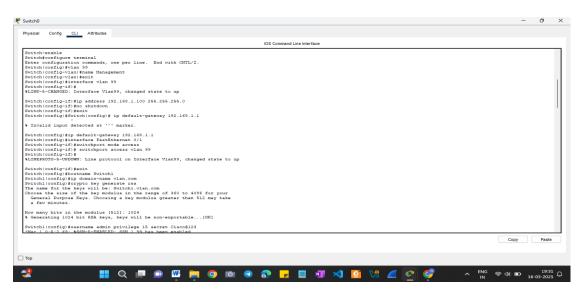
Why Use a Management VLAN?

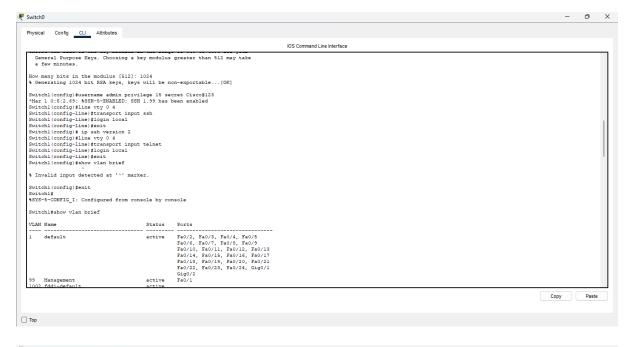
- 1. **Security:** Keeps management traffic isolated from user data, preventing unauthorized access.
- 2. **Network Stability:** Prevents congestion or interference from regular data traffic.
- 3. **Remote Access:** Enables administrators to configure and monitor switches using SSH, Telnet, SNMP, or HTTP(S).'

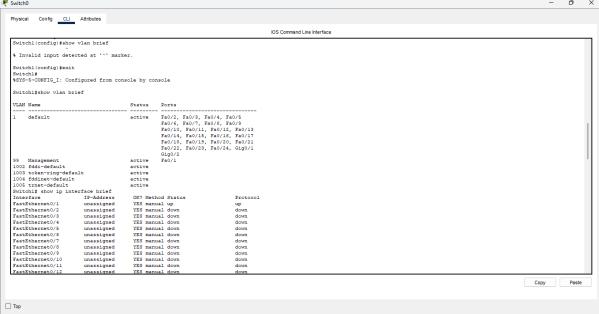
Network Setup:

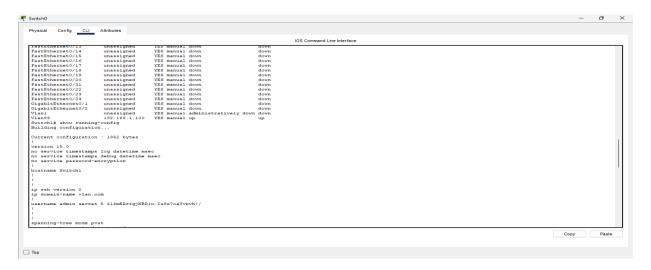


Configuring a Management VLAN:









Testing:

