**2.7.6 - Packet Tracer - Implement Basic Connectivity**

Part 1:

Step 3:

* In privileged exec mode we run command “show run”

Step 4:

* wr mem

Part 2:

Step 2:

b. Failed. The "Request timed out" message indicates that PC1 did not receive a response from S1.

Part 3:

Step 1 :

* Even though switches primarily operate at Layer 2 using MAC addresses, configuring an IP address on the switch allows you to remotely manage the switch using protocols such as Telnet or SSH. It also enables the switch to participate in Layer 3 routing functions if needed.
* The no shutdown command is used to bring the VLAN interface up. If the VLAN interface is down, it won't be able to forward traffic.

Step 4:

* write memory