[Answers] 2.7.6 Packet Tracer - Implement Basic Connectivity
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Part 1: Perform a Basic Configuration on S1 and S2

    Step 3: Verify the password configurations for S1.

- **How can you verify that both passwords were configured correctly?**

  There are two ways we can verify both passwords.
    1. We can use **show** commands, but since the privileged EXEC mode password is an encrypted password, it will show in encrypted format.
    2. **Log in** the console and privileged user EXEC mode using the line console and privileged EXEC mode passwords. If you can input the passwords and proceed accordingly, then both passwords were configured correctly.

    Step 4: Save the configuration file to NVRAM.

- **Which command do you issue to accomplish this step?**
  - copy running-config startup-config

Part 2: Configure the PCs

    Step 2: Test connectivity to switches.

- Were you successful? Explain.
  - Unsuccessful because we have not set IP addresses for the two switches. We can't have PC1 ping for S1's IP address which does not exist yet.

Part 3: Configure the Switch Management Interface

    Step 1: Configure S1 with an IP address.

- If this is the case, why would we configure it with an IP address?
  - For the management of the device. Suppose we want to access the S1 device remotely, then it needs to have an IP address.
- Why do you enter the no shutdown command?
  - It's because Interface Vlan1 (virtual interface) is down by default. Once we give the "no shutdown" command, we can see that the state of the line protocol on Interface Vlan1 is changed to "up."
  - You can check Interface Vlan1's default state with the command "show ip interface brief"