

Your answer:

Correct
answer:

Home-Laptop and Home-PC1 have the same subnet mask., Home-Laptop and Home-PC1 have the same gateway address., Home-PC1 is configured correctly and has Internet access..

✗ Home-Laptop connected to internet router

Explanation

Complete this lab as follows:

1. Gather information on Home-Laptop
 - a. Right-click **Home-Laptop** and select **Launch Windows**.
 - b. Hover over the network icon in the system tray.
Note that Home-Laptop is not connected to the internet.
 - c. Right-click the network icon and select **Network & Internet settings**.
 - d. Select **Ethernet**.
 - e. Scroll down to IP assignment and select **Edit**.
 - f. Select Questions.
 - g. Answer Questions 1 through 3.
 - h. Minimize the Lab Questions window.
 - i. Under Edit IP Settings, select **Cancel**.
2. Identify symptoms on Home-Laptop
 - a. Right-click **Start** and select **Terminal (Admin)**.
 - b. In the Terminal window, type the following commands followed by pressing **Enter**.
 - **ping Home-Laptop**
 - **ping Home-PC1**
 - **ping Home-PC2**
 - **ping 192.168.1.1**
 - c. Select Questions.
 - d. Answer Question 4.
 - e. Minimize the Lab Questions window.
 - f. In the top left, select **Network Modeler** to return to the network diagram.
3. Gather information on Home-PC1
 - a. Right-click **Home-PC1** and select **Launch Windows**.
 - b. Hover over the network icon in the system tray.
Note that Home-PC1 is connected to the internet.
 - c. Right-click the network icon and select **Network & Internet settings**.
 - d. Select **Ethernet**.
 - e. Scroll down to IP assignment and select **Edit**.
 - f. Select Questions.
 - g. Answer Questions 5 through 7.
 - h. Minimize the Lab Questions window.
 - i. Under Edit IP Settings, select **Cancel**.
4. Identify symptoms on Home-PC1
 - a. Right-click **Start** and select **Terminal (Admin)**.
 - b. In the Terminal window, type the following commands followed by pressing **Enter**.
 - **ping Home-Laptop**
 - **ping Home-PC1**
 - **ping Home-PC2**
 - **ping 192.168.1.1**
 - c. Select Questions.
 - d. Answer Question 8.
 - e. Minimize the Lab Questions window.

- f. In the top left, select **Network Modeler** to return to the network diagram.
5. Establish a theory of probable cause
 - a. Select Questions.
 - b. Answer Questions 9.
 - c. Minimize the Lab Questions window.
 - d. Note that Home-Laptop has a typo in the IP address and is on the wrong network.
 6. Implement a solution
 - a. Right-click **Home-Laptop** and select **Launch Windows**.
 - b. From **Network & Internet > Ethernet**, scroll down to IP assignment and select **Edit**.
 - c. Correct the IP address to be on the same network as the other computers (**192.168.1.20**).
 - d. Select **Save**.
 7. Verify full system functionality for Home-Laptop
 - a. Hover over the network icon in the system tray.

Note that Home-Laptop now shows connected to HomeNet and the Internet.
 - b. From the Terminal prompt, type the following commands followed by pressing **Enter**.
 - **ping Home-Laptop**
 - **ping Home-PC1**
 - **ping Home-PC2**
 - **ping 192.168.1.1**

Note that all pings are successful from Home-Laptop.