Simulation Transcript
Fix the issue

1. You need to open a command window. To start, select the **Run** command from the Start menu.
2. To open the command-line interface (CLI), type **cmd** in the **Open** field. Then, press **Enter**.
3. To launch the secure shell (SSH) protocol tool, you use the SSH command, ssh, and include the router's username and location separated by the @ symbol. In the Command Prompt window, type **ssh admin@192.168.1.1** and press **Enter**.

   Accessing Jovi's router

   Now, the router needs the customer's password before you can access it. You use the chat to ask Jovi to give you the password, and he tells you that it is **4er9345!** (case sensitive).

   Select **X** to close this window and continue.

4. Now that you have Jovi's password, you can access the router. At the password prompt in the SSH tool, type **4er9345!** and press **Enter**.
5. You've accessed the router. Now, you must verify that Jovi's IP pool starting address matches what you previously noted from the web interface. You can use the NVRAM command for this. At the command prompt, type **nvram get dhcp_start**. Then, press **Enter**.
6. Jovi's IP pool starting address displays now. It's 192.168.1.2. Notice it matches what you saw in the web interface! You must also verify that his IP pool ending address matches what you previously noted from the web interface. To check it, type **nvram get dhcp_end**. Then, press **Enter**.
7. Jovi's IP pool ending address displays now. It's 192.168.1.10. Notice it matches what you saw in the web interface! It ends with 10. Because 10 minus 1 is 9, you can validate that the router doesn't have enough IP addresses for Jovi's 24 or more devices. Select the **Next arrow** to continue.
8. Now that you've verified the information in the web interface by using the secure shell, you can return to the web interface where you will be able to adjust the IP pool ending address. Select **X** to close the OpenSSH SSH client window.

   You're ready to change the router's settings

   You need to increase the number of IP addresses that the router can assign.
   - You will be increasing it by 90.
   - To do this, you will increase the last number of the IP pool ending address from 192.168.1.10 to 192.168.1.100.
   - Remember that the number of IP addresses a router can assign is determined by subtracting the last number of the starting pool address from the last number of the ending pool address.
   - The original last number of the IP pool ending address is 10.
   - By making it 100, you add 90 more IP addresses the router can assign.

   Select **X** to close this window and continue.

9. Revisit the LAN - DHCP Server settings that you have open in Jovi's router administrator window in his browser. In the **IP Pool Ending Address** field, type **192.168.1.100**. Then, press **Enter**.
10. Now, go ahead and update the settings by selecting the **Apply** button.

    Now, connect all the devices in Jovi's home

    You did it! You changed the router setting and the router is almost ready to connect all the devices in the Jovi's home. To get that to happen, you must restart the router. The restart will force the router to connect all available devices. Using the chat, you explain to Jovi that you are going to restart his router. You tell him that this will disconnect the remote connection and that you will be able to resume the chat with him after the router has restarted.

    Select **X** to close this window and continue.

11. When you are sure that Jovi understands what will happen next, you can scroll to the top of the web interface page. Select the **Reboot** button to restart the router.

You successfully updated the DHCP pool to enable the router to assign up to 99 addresses. Because Jovi has over 24 devices, this should be plenty of IP addresses for his needs.