Practice Quiz: Introduction to Debugging

TOTAL POINTS 5

1. What is part of the final step when problem solving?

   1 / 1 point

   ○ Documentation

   ⦿ Long-term remediation

   ○ Finding the root cause

   ○ Gathering information

   ✓ **Correct**
   Nice job! Long-term remediation is part of the final step when problem solving.

2. Which tool can you use when debugging to look at library calls made by the software?

- ○ top
- ○ strace
- ○ tcpdump
- ● ltrace

✓ **Correct**

Keep it up! the ltrace tool is used to look at library calls made by the software.

3. What is the first step of problem solving?

- ○ Prevention
- ● Gathering information
- ○ Long-term remediation
- ○ Finding the root cause

4. What software tools are used to analyze network traffic to isolate problems? (Check all that apply)

1 / 1 point

☑ tcpdump

✓ **Correct**
Nice work! The tcpdump tool is a powerful command-line analyzer that captures or "sniffs" TCP/IP packets.

☑ wireshark

✓ **Correct**
Excellent! Wireshark is an open source tool for profiling network traffic and analyzing TCP/IP packets.

☐ strace

☐ top

5. The strace (in Linux) tool allows us to see all of the _____ our program has made.

○ Network traffic

○ Disk writes

◉ System calls

○ Connection requests

✓ **Correct**

Awesome! The strace command shows us all the system calls our program made. System calls are the calls that the programs running in our computer make to the running kernel.