✅ **Congratulations! You passed!**

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1. Which of the following statements are true about child processes in Windows? Select all that apply. **1 / 1 point**

   ☑ A child process can be terminated by clicking on the X button in the top right corner of the application.
   > ✓ **Correct**

   ☑ A child process inherits environment variables and settings from its parent.
   > ✓ **Correct**

   ☐ A child process is dependent on its parent process until the child process is terminated.

   ☑ A child process can be terminated by running the taskkill /pidcommand in the CLI.
   > ✓ **Correct**

2. When a process completes its task, what happens? Select all that apply. **0.75 / 1 point**

   ☐ The process releases all the resources it was using to its parent.

   ☑ The process goes into a suspended state.
   > ⊗ **This should not be selected**
   > Please review the video [on creating and terminating processes in Linux](#) ↗.

   ☑ The process releases all the resources it was using back to the kernel.
   > ✓ **Correct**

   ☑ The process terminates automatically.
   > ✓ **Correct**

3. How do you find a process PID number in Windows Task Manager? **1 / 1 point**

   ○ Select a process from the process list.

   ○ Task Manager will not show PID numbers (you have to use the tasklist command or the Get-Process commandlet).

   ◉ Click the Details tab.

   ○ Click on the Processes tab.
   > ✓ **Correct**

4. When using the ps -x command to check the status of a process in Linux, how would you know if a process is suspended (stopped)? **1 / 1 point**

   ◉ There is a letter T under the STAT field.

   ○ There is a letter S under the STAT field.

   ○ There is a letter S under the COMMAND field.

   ○ There is a letter R under the STAT field.
   > ✓ **Correct**

5. Which of the following represents a signal in Linux? **1 / 1 point**

   ○ TOUCH

   ◉ SIGPROF

   ○ SUDO

   ○ PING
   > ✓ **Correct**

6. You launch notepad.exe from a PowerShell command prompt. Later, you use Process Explorer to restart the notepad.exe process? After restart, what is the parent process of notepad.exe? **1 / 1 point**

   ○ smss.exe

   ○ notepad.exe

   ○ PowerShell (powershell.exe)

   ◉ Process Explorer (procexp.exe)
   > ✓ **Correct**

7. In Linux, what signal is sent when you enter the kill pidcommand? **1 / 1 point**

   ○ SIGKILL

   ○ SIGTSTP

○ SIGTERM

○ SIGINT

✓ **Correct**

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8. What happens to background apps while a foreground app is in use on iOS and Android?   `1 / 1 point`

○ The background apps will take turns running in the background to use less processing power.

◉ The OS will suspend background mobile apps.

○ The background apps continue to run normally.

○ The OS will terminate the background apps.

✓ **Correct**

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9. In Windows, what information is displayed by the Resource Monitoring tool? Select all that apply.   `1 / 1 point`

☑ Process information along with data about the resources that the process is consuming

✓ **Correct**
  Please review the video on how to monitor resources in Windows ↗.

☐ Information about current time and how long your system's been running

☑ Information about particular resources on the system (like CPU, Memory, and Network usage)

✓ **Correct**

☐ System hardware properties

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10. Which of the following Linux commands shows information about the current time, how long your system's been running, how many users are logged on, and what the load average of your machine is?   `1 / 1 point`

◉ uptime

○ top

○ lsof

○ ps -ef

✓ **Correct**