Graded Quiz: Introduction to Linux

1. Which one of the following statements about Linux distributions is true?

   1 / 1 point

   ◉ Debian is stable, reliable, and fully open source.

   ◯ Red Hat Enterprise Linux is the largest community-run distro.

   ◯ Every Linux distribution is based on the Bash kernel.

   ◯ There are only three types of Linux distribution: core, desktop, and server.

   ✓ **Correct**
   Correct. Being the largest community-run distro, Debian has been thoroughly tested and proven.

2. Which layer of the Linux system contains system daemons and shells?

   1 / 1 point

   ◯ Operating system

   ◯ Hardware

   ◯ Kernel

   ◉ Application

   ✓ **Correct**
   Correct! The application layer includes system daemons, shells, user apps, and tools.

3. Which layer of the Linux system assigns software to users, helps detect errors, and performs file management tasks?

   1 / 1 point

   ◯ Hardware

   ◉ Operating system

   ◯ Application

   ◯ Kernel

   ✓ **Correct**
   Correct! The operating system controls the jobs and programs that are vital to system health and stability.

4. Which layer of the Linux system is responsible for memory management, process management, device driver management, system calls and security?

   1 / 1 point

   ◯ Operating system

   ◯ Hardware

   ◯ Application

   ◉ Kernel

   ✓ **Correct**
   Correct! The kernel is responsible for memory management, process management, device driver management, system calls and security.

5. Which of the following is a standard directory in the Linux filesystem?

1 / 1 point

○ load

○ reboot

○ launch

◉ bin

✓ **Correct**
Correct. Bin is a directory that contains binary files that contain the code your machine reads to run programs and execute commands.

6. Which of the following is a GUI-based text editor?

1 / 1 point

○ GNU nano

◉ gedit

○ Vim

○ vi

✓ **Correct**
Correct! gedit is a GUI-based text editor.

7. Which of the following path helps you navigate to the user's home directory?

1 / 1 point

○ \

◉ ~

○ \home

○ \myhome

✓ **Correct**
Correct! The special path ~ refers to a user's home directory.

8. Complete the following. Packages are:

1 / 1 point

○ Kernels

◉ Archive files

○ Text editors

○ Backups

✓ **Correct**
Correct! Packages are archive files containing the required components for either installing new software or updating existing software.

9. Which command can you use to convert package files between deb and RPM formats?

1 / 1 point

◉ alien

○ yum

○ update

○ apt

✓ **Correct**
Correct! You can use the alien command to convert a package between the two formats.

10. Complete the following. An advantage of using a GUI-based package manager such as PackageKit is that:

    🔘 It automatically checks for updates at configurable intervals.

    ⭕ It automatically installs new software packages.

    ⭕ It always installs all available updates, so users cannot opt to only install specific updates.

    ⭕ It works on deb- and RPM-based Linux.

> ✓ **Correct**
> Correct! GUI-based package managers can automatically check for updates.

1 / 1 point