1. Depending on Linux distribution, which commands can install the **libaio** package and any packages it needs to function that are not already installed (Select all answers that apply)?

1 / 1 point

- ☑ **sudo zypper install libaio**

  ✓ **Correct**
  This will work on SUSE systems.

- ☐ **sudo rpm -Uvh libaio**

- ☑ **sudo apt-get install libaio**

  ✓ **Correct**
  This will work on Debian-based distributions.

- ☐ **sudo dpkg -i libaio**

- ☑ **sudo yum install libaio**

  ✓ **Correct**
  This will work on Red Hat-based distributions, such as CentOS and Oracle Linux.

- ☑ **sudo dnf install libaio**

  ✓ **Correct**
  This will work on Fedora systems that use **dnf** replacing **rpm**

2. Which command(s) can upgrade an entire system (Select all answers that apply)?

1 / 1 point

- ☑ **sudo yum update**

  ✓ **Correct**
  This updates the data bases, as well as doing the installation on Red Hat-based systems.

- ☐ **sudo apt-get update**

- ☑ **dnf update**

✓ **Correct**
This will update the system on Fedora.

☑ **zypper update**

✓ **Correct**
This will update the system on SUSE-based systems.

☑ **sudo apt-get dist-upgrade**

✓ **Correct**
Once the databases are updated, this will update/upgrade the system.

3. System logging files are kept under:

1 / 1 point

○ **/tmp/log**

○ **/proc/log**

○ **/etc/log**

⦿ **/var/log**

✓ **Correct**
All logging information should go here.

4. Where would the user named **student** usually find their personal files?

1 / 1 point

○ **/student**

⦿ **/home/student**

○ **/usr/local/student**

○ **/var/student**

✓ **Correct**
This is the general prescription, although some administrators might put it in a subdirectory, like **/home/students/student**

5. The **logrotate** program:

- [ ] Rotates the text in logfiles so they are hard to read

- [ ] Erases all logging files on the system

- [ ] Provides a a game where lumberjacks have to roll logs into the river

- [x] Cyclically rotates and optionally compresses log files to save space

  ✓ **Correct**