1. Which of the following pseudo-directories are empty when the system is not running (Select all answers that apply)?

1 / 1 point

- [ ] /boot
- [ ] /etc
- [x] **/sys**

  ✓ **Correct**

  /sys contains only pseudofiles created in memory after system start.

- [x] **/dev**

  ✓ **Correct**

  /dev contains only pseudofiles created in memory after system start.

- [x] **/proc**

  ✓ **Correct**

  /proc contains only pseudofiles created in memory after system start.

2. Which of the following statements describes the best practice?

1 / 1 point

- ○ The current directory should be appended to the path
- ⦿ The current directory should not be placed in the path
- ○ The current directory should be prepended to the path

  ✓ **Correct**

3. If **file** does not exist, which command will produce an error?

1 / 1 point

- ○ **ln -s file file2**
- ⦿ **ln file file2**

  ✓ **Correct**

  You cannot have a "dangling" hardlink

4. Which command will list the partition information on the first hard disk and then exit?

1 / 1 point

○ **fdisk /dev/sda**

○ **fdisk -l hd1**

● **fdisk -l /dev/sda**

✓ **Correct**
This will give a report and return to the command line.

5. Which directory trees usually have frequently changing data, and would not be desirable on a partition that is more static? Select all answers that apply.

1 / 1 point

☑ **/tmp**

✓ **Correct**
/tmp is designed for temporary data.

☐ **/bin**

☑ **/home**

✓ **Correct**
/home stores user accounts and data which will change every time the user is on the system.

☑ **/var**

✓ **Correct**
/var is designed for variable, volatile data.

☐ **/usr**