



Quiz 4: End Module 5, Prep Shell Programming

Do not refer to any printed material.
No talking or discussion is allowed until the answer sheets are all collected.

Review:

1. The file `/etc/fstab`:

- (A) determines which kernel to load at boot time
- (B) chooses filesystems the kernel will mount at boot time
- (C) determines whether the kernel supports the Ext3 filesystem type
- (D) determines the maximum number of open files
- (E) lists all filesystem types supported by the kernel

2. `$ ls -ld directory`

```
drwxr-xr--  3 lee students 48 Feb 11 09:10 directory
```

- (A) members of group `staff` cannot list files in `directory`
- (B) members of group `students` can delete files in `directory`
- (C) It is impossible for user `lee` to be a member of group `students`
- (D) both user `lee` and members of group `students` can delete files in `directory`.
- (E) members of group `students` can change to `directory`

3. The program `pppd` has the set user ID (SUID) permission set:

```
$ ls -l pppd
-rwsr-xr-x  1 root nicku  184348 Sep  6 02:55 pppd
```

When user `012345678`, who has primary group `students`, executes this program, the resulting process will:

- (A) be owned by the user `root`
- (B) be owned by the user `012345678`
- (C) have group owner `nicku`
- (D) have no group owner
- (E) be non-existent, since only `root` is allowed to execute a SUID program

Preparation:

4. A shell script:

- (A) cannot support normal programming using loops and function calls
- (B) is compiled into machine language before it is executed
- (C) is always optimised for performance, and executes faster than Java programs
- (D) is often used for system administration
- (E) can only be written by professional programmers

5. Select one statement that is most correct:

- (A) There is very little documentation for shell programming, but the O'Reilly books are good references
- (B) The `man` page for `bash` does not provide enough information about the language for a reference guide
- (C) There is a free online book about shell programming
- (D) Shell programs are always quite long.