软工2班
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操作系统 LX2

1. Solution: B

2. Solution: D

∵ Default permissions is 666, umask is 022.

∴ 666 - 022 = 644

Therefore, the resulting permissions is rw-r--r--

3. Solution: C

4. Solution: A

5. Solution: C

6. Solution: D

7. Solution: B

8. Solution: D

9. Solution: D

10. Solution: A

11. Solution: C

12. Solution: C

13. Solution: A

14. Solution: C

15. Solution:

(1) q.

(2) wq

(3) syy

(4) %s/school/university/g

(5) G

16. Solution:

New files should not be created with 666, so it should use a permission mask. When umask = 022:

If it is a file, its default permissions is 666. So default permission - umak = 644. Therefore, the resulting permissions is rw-r--r--.

If it's a directory, its default permission is 777. So default permission - umask = 755, Therefore, the resulting permission is rwxr-xr-x.

Of course, the umask can be changed by using command:
umask nnn, n is a number between 0 to 7.

17. Solution:

Linux uses hard link to link these file names, and both files reference the same i-node. In the file detail, there is a link counter attribute. When add a hard link, the link counter + 1.

(18) Solution:

First, the system monitors the USB ~~does~~ actually be ~~inst~~ plugged into Linux.

Then, run mount and mount over an empty directory.

19. Solution:

① man commandName

② whatis commandName

③ ~~commandName --help~~
info commandName