

1. What is the command to list all the text files ending with extension `.txt` in the current directory?

- (a) `ls .txt`
- (b) `ls ..txt`
- (c) `ls *.txt`
- (d) `ls #.txt`

**Answer:** (c)

2. On using `ls -l hello`, the output is `drwxr-xrw- 2 striker striker 4096 Jan 14 16:31 hello`. Then:

- (a) `hello` is a directory
- (b) user has write permissions
- (c) user does not have execute permissions
- (d) Other users (outside of group) have write permissions

**Answer:** (a), (b), (d)

3. Suppose there is an empty directory named `empty_dir`. On using `ls -l empty_dir`, the output is `drwx----- Y striker striker 4096 Jan 14 16:38 empty_dir`. The second field of the output is represented by `Y`. What will be the value of `Y`?

- (a) 0
- (b) 1
- (c) 2
- (d) 3

**Answer:** (c)

4. What does the regex `^[^HG]*.txt` mean?

- (a) Matches to `.txt` files with filenames starting with H or G
- (b) Matches to `.txt` files with filenames starting with H or G
- (c) Matches to `.txt` files with filenames not starting with HG

(d) Matches to `.txt` files with filenames not starting with either H or G

**Answer: (d)**

5. What does the regex `^[a-zA-Z0-9]{3}[a-zA-Z]3$` mean?

- (a) Matches to alphanumeric characters with 6 characters
- (b) Matches to words starting with 3 alphanumeric characters and ending with 3 alphabetic characters
- (c) Matches to words starting with 3 alphanumeric characters and ending with 3 capital alphabetic characters
- (d) The regex is incorrect

**Answer: (c)**

6. What is the default delimiter (for input) for the `cut` command?

- (a) `\t`
- (b) `\n`
- (c) `,`
- (d) `;`

**Answer: (a)**

7. `INIT` processes have process ID 0.

- (a) True
- (b) False

**Answer: (b)**

8. File descriptor for `STDERR` is

- (a) 0
- (b) 1
- (c) 2
- (d) 3

**Answer: (c)**

9. Suppose `cat hello.txt | grep -E \^[a-z]+[0-9]+$` is executed, what possible lines will appear in the output? The contents of `hello.txt` are `answer123 \n h235kls \n hacksaw555 \n mobpsycho99`

(a) `mobpsycho99`

(b) `answer123`

(c) `h235kls`

(d) `hacksaw555`

**Answer:** (a), (b), (d)