

Assignment-2

1. Write a command to find the list of all the files in the current directory in long format, sorted by size, and smallest first.
2. What is the difference between `$*` and `$@`? How do you find whether your system is 32 bit or 64 bit ?
3. Count the total number of files in the directory `/usr/lib` starting with 'lib' and print output in a `count.txt` file.
4. From your home directory, create a directory named "Test". Create a new file in Test directory named 'new.txt' and write some text in it. Then, move the file from there to `/usr/lib/`. Then, display the content of that file on the terminal and then delete the file "new.txt" and the folder "Test".
5. Read two numbers and perform addition, subtraction, multiplication and division. Also save the output of the operations in `RESULT.txt`.
6. Write a command that will allow a UNIX system to shut down in 15 minutes, after which it will perform a reboot.
7. Write a command that will display files in the current directory, in a colored, long format.
8. What is the behavioral difference between "cmp" and "diff" commands? Justify with an example.
9. Write a command to search the line which does not start with # or single quote (') or double front slashes (//) in a given file (file lines are star with any of [A-Z], [a-z], [0-9], and [# , //]).
10. Write a command to print the line if its in the range of 0 to 999 from a file `Number.txt`. The file `Number.txt` contain digits in multiple lines.
11. Write a command print all lines containing a vowel (a, e, i, o, or u) followed by a single character followed by the same vowel again from a file (file must have word like evening/adam).
12. Write a command which provides the elapsed time since the process was started, in the form `dd-hh:mm:ss`.
13. Write a command to kill the specified process which are selected from all the running processes.
14. Write the command to provide permission on a file for the following:
(a) Read by owner only (b) Write by anyone (c) Execute by group only (d) Allow everyone to read, write, and execute the file.
15. Write a command to remove Permissions of Write, Execute for User and Execute for Group & Others from a file. Also create a read-only file in your home directory?
16. Write a command to display the 10 th line from a file. Also display the first 5 lines of the file.
17. Write a command to redirect the output of date command to multiple files. Also how do you list the hidden files in current directory?
18. Write a command to print the file names in a directory that does not contain the word "july"?
19. Write a command to find the first two instances of a "word" from a file. The must have multiple instances of the "word".
20. Write a command to count number of characters in our file and save the output to new text file at the same time.