

Assignment-3

1. 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 [# , //]).
2. Write a command to prints the line if its in the range of 0 to 999 from a file Number.txt. The file Number.txt contain digints in multipule lines.
3. 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).
4. Write a shell script to get current date, time, user name and current working directory.
5. Write a command to perform calculations of expression (5+5, 7-6) in file by directing the file to bc. How to print numbers from [1-9] without using scrit and for loop statement.
6. How processes on the system are linked to each other write a command to print the structure. Also write the command to check the execution time of a process.
7. What will the output of the command: `$ ps -t dev/console`
8. Write a command which provides the elapsed time since the process was started, in the form dd-hh:mm:ss.
9. Write a command to kill the specified process which are selected from all the running processes.
10. 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.
11. Write a command to removes Permissions of Write, Execute for User and Execute for Group & Others from a file. Also create a read-only file in your home directory?
12. Write a command to display the 10th line from a file. Also display the first 5 lines of the file.
13. Write a command to redirect the output of date command to multiple files. Also how do you list the hidden files in current directory?
14. Write a command to remove blank lines in a file. Write a command to find the total number of lines in a file?
15. Write a command to print the file names in a directory that does not contain the word "july"?
16. Write a command to find the first two instances of a "word" from a file. The must have multiple instances of the "word".
17. Count the total number of files in the directory /usr/lib starting with 'lib' and print output in a count.txt file.
18. Write a shell script to take two numbers from command line and show result of dividing small number with bigger number. Also note that it should not accept zero or negative number. If user enter zero or negative number then it should prompt to input correct number after displaying proper message.
19. Write a shell script to examine all the number from 1 to 999 and display all those number whose sum of cube of the digit is equal to the number. E.g. $371 = 3^3 + 7^3 + 1^3$.
20. Write a shell script to checks if name given is file or directory and if it is file then it should display content and if it is a directory then it should display the list. Also list all the files of the current directory having read and write permission to the user.