

VishwaCodeGenesis

Sudo Code

Don't Feel shy to use ``man`` ;-)

Answers scripts should be named according to questions.

Ex. Solution script of question '3' should be named as ``sol3``

Numbers on right side of questions indicate marks.

Easy

1. a) You have to pull the files to a new local git repo sudocodefinals 2
b) Create a local branch with your team name.
2. Commit your code and wait for contest to end then push it to github 1
(Early push will be disqualified)
Wait till asked to do so.
3. Change Bash Prompt to 'VishwaCodeGenesis:-\$'
 - a) Temporary Change 1
 - b) Permanent Change 1
4. Print `Number of Active Bash Terminals` 2

5. Create dir1/dir2/dir3/dir4 in One Command inside SUBE1 2

6. Create two files today.txt and yesterday.txt and change the creation date of yesterday.txt to yesterday's date. 2
(Inside folder SUBE2)

7. a) Write a shell script to reverse any input string (provided as an argument). 3
Name the script as rev .

Make the file executable such that typing 'rev abcd' will give output as 'dcba'.
(Put that script inside SUBE3)

b) You are given a file with variable number of words in each line. Write a command to print the last word of each line. 2

Advanced

1. You are given a directory SUBA1.

Create soft links of all the files with names starting with test. (name of softlinks should contain only 'basename' of file) 4

These soft links must be placed inside SUBA1/LINKS.

BONUS: Use Single line command +1

2.You are given different types of files in a folder SUBA2. Organize those files.

Ex .Let's suppose you have 4 python files 2 log files and a folder with 1 rails file and a jsx file

Create/Run a command to organize different files in different folders.

Ex. SUBA2/output will have different folders pyc, rai, jsx, log containing the corresponding files.

Note:-There can be any number of file types.

- | | |
|--|---|
| a) Create Folders(Not Hidden) for different types of files | 3 |
| b): Write a Script to loop copy the corresponding files in corresponding folders | 4 |

3.Create a bash script to validate password, in which you have to read the password in runtime 6

Validators to be implemented. Password reading should be invisible.

a.Minimum Length 8

b.AlphaNumeric

4. Implement a script to create backups of SUBA3 as a zip file and save it with the filename as the current time stamp in a given alternate folder at regular intervals of 1 min. Also create a log file which records the time at which each backup is made. 6

5. Modify(or write the extended part) the script, such that at any time, only the three most recent backup exist on the specified folder. 6

