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OS LAB SWE
Basic Linux commands

1) **Echo – print the string followed by this command**

2) **Clear – clear the terminal window**

3) **Date – display current date.**

4) **Cal (year) – display calendar of the given year.**

5) **Passwd – reset the current password**

6) **Ls -l – list number of files in present working directory**

7) **Ls -a – list all files including hidden files in present working directory**

8) **Cat > f1 : make a file with name f1**

9) **Wc f1 – list number of characters, words and lines in a file**

10) **Wc -c f1: only show number of characters**

11) **Wc -w file: display number of words in a file**

12) **Wc -l file: display number of lines**

13) **Cp file file2: copy contents of one file to another**

14) **Mv file file2: remove a file and rename it**

15) **Rm file: remove a file from directory**

16) **Head -n file : display first n lines of a file**

17) **Tail -n file: display last n lines of a file**

18) **Mkdir : create a new directory**

19) **Cd : enter a directory**

20) **Rmdir : remove a directory**

21) **Pwd – list present working directory**

22) **Cd – go to root directory**

23) **Cd .. : go to parent directory**

```
/home/roehit/.hushlogin file.
roehit@LAPTOP-0SIPK43K:~$ echo Roehit RANGANATHAN
Roehit RANGANATHAN
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$ date
Thu Feb  4 09:04:47 IST 2021
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$ cal 5 2001
      May 2001
Su Mo Tu We Th Fr Sa
       1  2  3  4  5
 6  7  8  9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31

roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$ cal 2021
                           2021
      January               February               March
Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa
                1  2       1  2  3  4  5  6       1  2  3  4  5  6
 3  4  5  6  7  8  9    7  8  9 10 11 12 13    7  8  9 10 11 12 13
10 11 12 13 14 15 16   14 15 16 17 18 19 20   14 15 16 17 18 19 20
17 18 19 20 21 22 23   21 22 23 24 25 26 27   21 22 23 24 25 26 27
24 25 26 27 28 29 30   28                     28 29 30 31
31

       April                  May                    June
Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa
             1  2  3                      1       1  2  3  4  5
 4  5  6  7  8  9 10    2  3  4  5  6  7  8    6  7  8  9 10 11 12
11 12 13 14 15 16 17    9 10 11 12 13 14 15   13 14 15 16 17 18 19
18 19 20 21 22 23 24   16 17 18 19 20 21 22   20 21 22 23 24 25 26
25 26 27 28 29 30      23 24 25 26 27 28 29   27 28 29 30
                       30 31

        July                 August               September
Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa
             1  2  3    1  2  3  4  5  6  7             1  2  3  4
 4  5  6  7  8  9 10    8  9 10 11 12 13 14    5  6  7  8  9 10 11
11 12 13 14 15 16 17   15 16 17 18 19 20 21   12 13 14 15 16 17 18
18 19 20 21 22 23 24   22 23 24 25 26 27 28   19 20 21 22 23 24 25
25 26 27 28 29 30 31   29 30 31               26 27 28 29 30


      October               November               December
Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa
                1  2       1  2  3  4  5  6             1  2  3  4
 3  4  5  6  7  8  9    7  8  9 10 11 12 13    5  6  7  8  9 10 11
10 11 12 13 14 15 16   14 15 16 17 18 19 20   12 13 14 15 16 17 18
17 18 19 20 21 22 23   21 22 23 24 25 26 27   19 20 21 22 23 24 25
24 25 26 27 28 29 30   28 29 30               26 27 28 29 30 31
31
roehit@LAPTOP-0SIPK43K:~$
```

```
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$ passwd
Changing password for roehit.
Current password:
New password:
Retype new password:
passwd: password updated successfully
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$ ls
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$ ls -l
total 0
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$ ls -a
.  ..  .bash_history  .bash_logout  .bashrc  .landscape  .local  .motd_shown  .profile  .sudo_as_admin_successful
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$
```

```
roehit@LAPTOP-0SIPK43K:~$ cat > file1
srm
lab
os
cse
swe
^X
roehit@LAPTOP-0SIPK43K:~$ wc file1
 6  5 21 file1
roehit@LAPTOP-0SIPK43K:~$ wc -c file1
21 file1
roehit@LAPTOP-0SIPK43K:~$ wc -w file1
5 file1
roehit@LAPTOP-0SIPK43K:~$ wc -l file1
6 file1
```

```
roehit@LAPTOP-0SIPK43K:~$ cp file1 file2
roehit@LAPTOP-0SIPK43K:~$ mv file1 file2
```

```
roehit@LAPTOP-0SIPK43K:~$ rm file2
roehit@LAPTOP-0SIPK43K:~$
```

```
roehit@LAPTOP-0SIPK43K:~$
roehit@LAPTOP-0SIPK43K:~$ mkdir os
roehit@LAPTOP-0SIPK43K:~$ cd os
roehit@LAPTOP-0SIPK43K:~/os$ rmdir os
rmdir: failed to remove 'os': No such file or directory
roehit@LAPTOP-0SIPK43K:~/os$ cd -
/home/roehit
roehit@LAPTOP-0SIPK43K:~$ rmdir os
roehit@LAPTOP-0SIPK43K:~$ ls
file3
roehit@LAPTOP-0SIPK43K:~$
```