

EXPERIMENT 2

LINUX BASIC COMMANDS - II

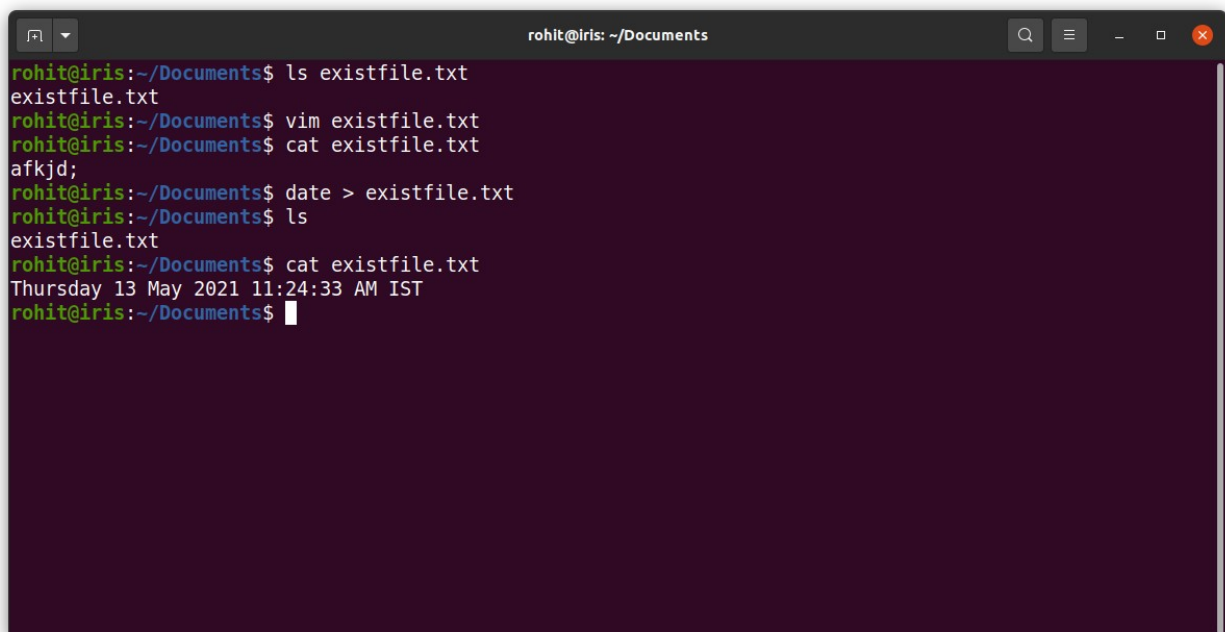
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Exerise 1:

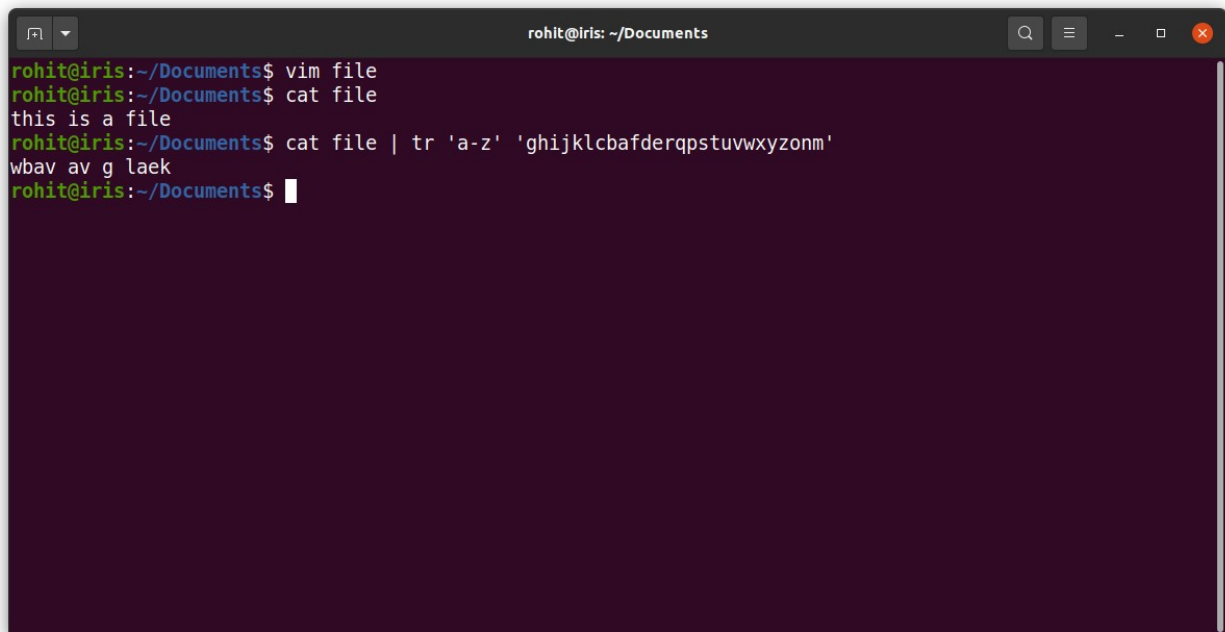
Send output of date command to already exist file



```
rohit@iris: ~/Documents
rohit@iris:~/Documents$ ls existfile.txt
existfile.txt
rohit@iris:~/Documents$ vim existfile.txt
rohit@iris:~/Documents$ cat existfile.txt
afkjd;
rohit@iris:~/Documents$ date > existfile.txt
rohit@iris:~/Documents$ ls
existfile.txt
rohit@iris:~/Documents$ cat existfile.txt
Thursday 13 May 2021 11:24:33 AM IST
rohit@iris:~/Documents$
```

Exercise 2:

Encrypt the text in a file and display it

A terminal window titled 'rohit@iris: ~/Documents' with standard window controls. The terminal shows a sequence of commands: 'vim file' to create a file, 'cat file' to display its contents 'this is a file', and 'cat file | tr 'a-z' 'ghijklcbafderqpstuvwxyzonm'' to perform a Caesar cipher encryption. The output of the encryption command is 'wbav av g laek'.

```
rohit@iris:~/Documents$ vim file
rohit@iris:~/Documents$ cat file
this is a file
rohit@iris:~/Documents$ cat file | tr 'a-z' 'ghijklcbafderqpstuvwxyzonm'
wbav av g laek
rohit@iris:~/Documents$
```

Exercise 3:

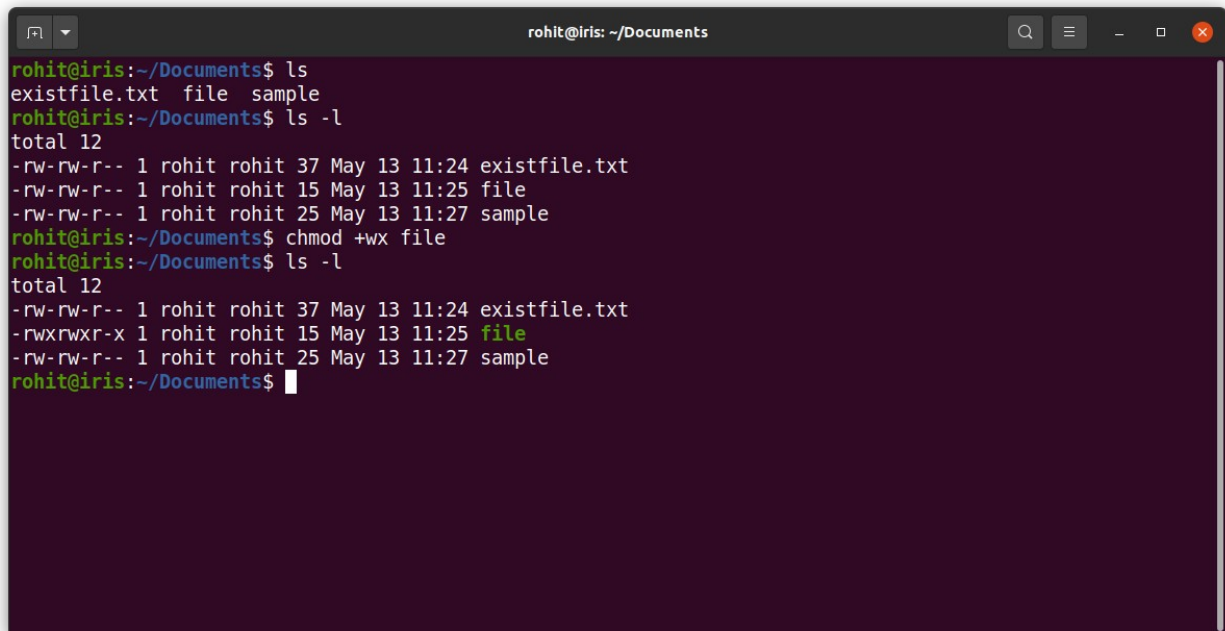
Create a file sample and give 5 names init. Display only the lines that does not contain the character 'a', but the result should be in reverse order.



```
rohit@iris: ~/Documents
rohit@iris:~/Documents$ vim sample
rohit@iris:~/Documents$ cat sample
Ray
Rich
Barry
Fred
Neil
rohit@iris:~/Documents$ grep -v 'a' sample | sort -r
Rich
Neil
Fred
rohit@iris:~/Documents$
```

Exersie 4:

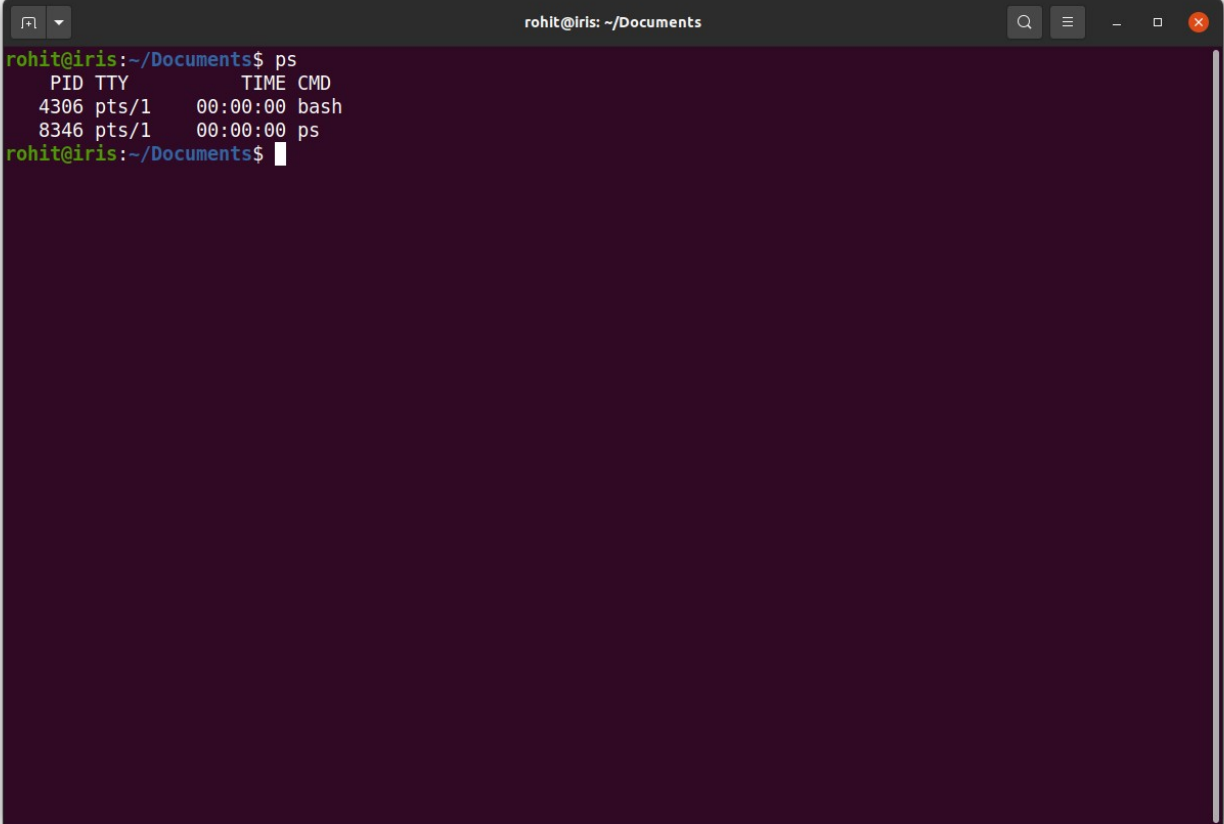
Write a command to give write and execute permission on a file



```
rohit@iris: ~/Documents
rohit@iris:~/Documents$ ls
existfile.txt  file  sample
rohit@iris:~/Documents$ ls -l
total 12
-rw-rw-r-- 1 rohit rohit 37 May 13 11:24 existfile.txt
-rw-rw-r-- 1 rohit rohit 15 May 13 11:25 file
-rw-rw-r-- 1 rohit rohit 25 May 13 11:27 sample
rohit@iris:~/Documents$ chmod +wx file
rohit@iris:~/Documents$ ls -l
total 12
-rw-rw-r-- 1 rohit rohit 37 May 13 11:24 existfile.txt
-rwxrwxr-x 1 rohit rohit 15 May 13 11:25 file
-rw-rw-r-- 1 rohit rohit 25 May 13 11:27 sample
rohit@iris:~/Documents$
```

Exercise 5:

Write a code to list all current running processes their corresponding pid



```
rohit@iris: ~/Documents
rohit@iris:~/Documents$ ps
  PID TTY          TIME CMD
  4306 pts/1        00:00:00 bash
  8346 pts/1        00:00:00 ps
rohit@iris:~/Documents$
```

The image shows a terminal window with a dark purple background. The window title is "rohit@iris: ~/Documents". The user has entered the command "ps" at the prompt. The output displays a table of running processes with columns for PID, TTY, TIME, and CMD. Two processes are listed: PID 4306 (bash) and PID 8346 (ps). The prompt is now ready for the next command.