

Operating System

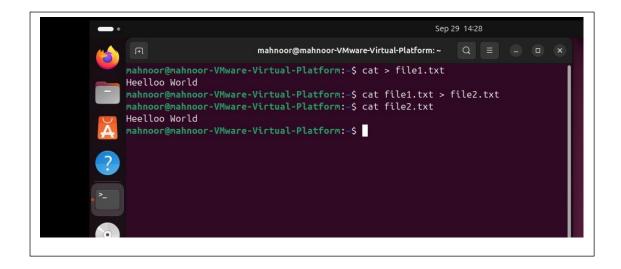
Lab #7

Submitted By:

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BSCS-5

Task 1:



Task 2:

```
Heelloo World
mahnoor@mahnoor-VMware-Virtual-Platform:~$ date >> dates.log
mahnoor@mahnoor-VMware-Virtual-Platform:~$ cat dates.log

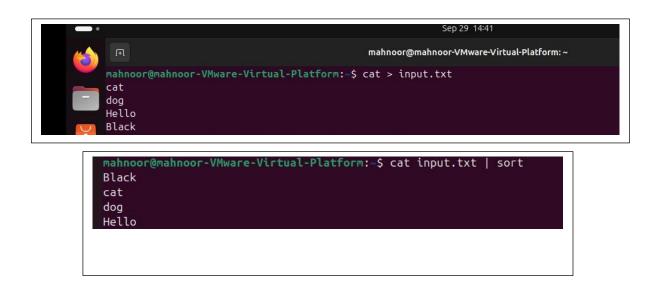
Mon Sep 29 02:30:38 PM PKT 2025
mahnoor@mahnoor-VMware-Virtual-Platform:~$
```

Task 3:

```
file2.txt
file1.txt
Downloads
Documents
Desktop
dates.log
books
mahnoor@mahnoor-VMware-Virtual-Platform:~$ ls /home /D2 > file1.txt 2>file2.txt
mahnoor@mahnoor-VMware-Virtual-Platform:~$ cat file2.txt
ls: cannot access '/D2': No such file or directory
mahnoor@mahnoor-VMware-Virtual-Platform:~$
```

Task 4:

Task 5:



Task 6:

a) cat filename > new

```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ cat > filename
Mahnoor Farrukh
mahnoor@mahnoor-VMware-Virtual-Platform:~$ cat filename > new
mahnoor@mahnoor-VMware-Virtual-Platform:~$ cat new
Mahnoor Farrukh
mahnoor@mahnoor-VMware-Virtual-Platform:~$
```

b) who > new

c) ls | sort -r

```
mahnoor@mahnoor-VMware-Virtual-Platform:-$ ls
books Documents file2.txt lab4 myfile dates.log Downloads filename labSort new Desktop file1.txt input.txt Music Pictures
                                                                          SortLabNumeric Templates
                                                           result.comp stock
                                                                                             unique
                                                                           task1.c
                                                                                             unique.txt
mahnoor@mahnoor-VMware-Virtual-Platform: $ ls | sort -r
Videos
unique.txt
unique
Templates
task1.c
stock
SortLabNumeric
snap
result.comp
Public
Pictures
new
myfile
Music
labSort
lab4
input.txt
filename
file2.txt
file1.txt
Downloads
Documents
Desktop
dates.log
books
mahnoor@mahnoor-VMware-Virtual-Platform:~$
```

d) ls \mid sort -r >> new

```
mahnoor@mahnoor-VMware-Virtual-Platform:-$ cat new
                          2025-09-29 13:42 (login screen)
2025-09-29 13:42 (tty2)
   mahnoor seat0
mahnoor tty2
  mahnoor@mahnoor-VMware-Virtual-Platform: $ ls | sort -r >> new
   mahnoor@mahnoor-VMware-Virtual-Platform:-$ cat new
   mahnoor seat0 2025-09-29 13:42 (login screen) mahnoor tty2 2025-09-29 13:42 (tty2)
   Videos
   unique.txt
   unique
   Templates
   task1.c
   stock
   SortLabNumeric
   snap
   result.comp
   Public
   Pictures
   new
   myfile
   Music
   labSort
   lab4
   input.txt
   filename
   file2.txt
   file1.txt
   Downloads
   Documents
   Desktop
dates.log
   books
```

Task 7:

```
mahnoor@mahnoor-VMware-Virtual-Platform:-$ cat > fruits.txt
Mango
Apple
Kiwi
grape
pineapple
mahnoor@mahnoor-VMware-Virtual-Platform:-$ sort fruits.txt | grep "ap"
grape
pineapple
mahnoor@mahnoor-VMware-Virtual-Platform:-$
```

grep command: The grep command searches for a text pattern in the file. It only gives those line that we need to filter.