

1. Experiment with each of these commands:

(mkdir, cd, ls, pwd, cat, head, more, rm, cp, who, date, cal, man etc.)

```
shalu@shalu-VirtualBox:~$ mkdir command.c
shalu@shalu-VirtualBox:~$ ls
calc  command.c  Desktop  Downloads  Music  Public  sample  snap  test.c  test.out  Videos
calc.c  cprog  Documents  meow  Pictures  queen-c  shalu-c  Templates  test.o  test.txt
shalu@shalu-VirtualBox:~$ who
shalu  tty2      2022-09-19 22:16 (tty2)
shalu@shalu-VirtualBox:~$ man
What manual page do you want?
For example, try 'man man'.
shalu@shalu-VirtualBox:~$ man who
shalu@shalu-VirtualBox:~$ ls
calc  command.c  Desktop  Downloads  Music  Public  sample  snap  test.c  test.out  Videos
calc.c  cprog  Documents  meow  Pictures  queen-c  shalu-c  Templates  test.o  test.txt
shalu@shalu-VirtualBox:~$ man ls
shalu@shalu-VirtualBox:~$
```

```
Processing triggers for man-db (2.10.2-1) ...
shalu@shalu-VirtualBox:~$ cal
    September 2022
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

shalu@shalu-VirtualBox:~$ head
^C
shalu@shalu-VirtualBox:~$ man head
shalu@shalu-VirtualBox:~$ ls
calc  command.c  Desktop  Downloads  Music  Public  sample  snap  test.c  test.out  Videos
```

```
^C
shalu@shalu-VirtualBox:~$ man head
shalu@shalu-VirtualBox:~$ ls
calc    command.c  Desktop    Downloads  Music      Public    sample    snap      test.c  test.out  Videos
calc.c  cprog      Documents  meow       Pictures   queen-c   shalu-c   Templates test.o   test.txt
shalu@shalu-VirtualBox:~$ head test.txt
#include<stdio.h>
int main()
{
int num;
printf("enter the no");
scanf("%d",&num);
if(num%2==0)
printf("number is even %d");
else
printf("number is odd %d");
shalu@shalu-VirtualBox:~$ cat
test.txt
test.txt
^C
shalu@shalu-VirtualBox:~$ cat test.txt
#include<stdio.h>
int main()
{
int num;
printf("enter the no");
scanf("%d",&num);
if(num%2==0)
printf("number is even %d");
else
printf("number is odd %d");
return 0;
}
```

```
shalu@shalu-VirtualBox: ~/shalu-c
int main()
{
int num;
printf("enter the no");
scanf("%d",&num);
if(num%2==0)
printf("number is even %d");
else
printf("number is odd %d");
return 0;
}
shalu@shalu-VirtualBox:~$ cp test.txt alpha.txt
shalu@shalu-VirtualBox:~$ more alpha.txt
#include<stdio.h>
int main()
{
int num;
printf("enter the no");
scanf("%d",&num);
if(num%2==0)
printf("number is even %d");
else
printf("number is odd %d");
return 0;
}
shalu@shalu-VirtualBox:~$ ls
alpha.txt  calc.c      cprog      Documents  meow       Pictures   queen-c    shalu-c    Templates  test.o     test.txt
calc       command.c  Desktop    Downloads  Music      Public     sample     snap       test.c     test.out   Videos
shalu@shalu-VirtualBox:~/shalu-c$ ls
king.c  king_exe  king.o  queen-c
shalu@shalu-VirtualBox:~/shalu-c$ ls
king.c  king_exe  king.o  queen-c
shalu@shalu-VirtualBox:~/shalu-c$ rm king_exe
shalu@shalu-VirtualBox:~/shalu-c$ ls
king.c  king.o  queen-c
shalu@shalu-VirtualBox:~/shalu-c$ ^C
shalu@shalu-VirtualBox:~/shalu-c$ gedit 1.txt
```

2. Try the following tasks:

1. Type the command whoami
2. Create a new directory named lab2
3. Change directories into lab2
4. list all files, even hidden files (directory should be blank)
5. create a new file that contains the calendar for this month
6. list all files again, even hidden files (there should be just one file)
7. display the entire contents of that new file
8. delete the file
9. print calendar of the year 2020
10. ask the system for today's date.

```
shalu@shalu-VirtualBox:~/shalu-c$ whoami
shalu
shalu@shalu-VirtualBox:~/shalu-c$ mkdir lab2
shalu@shalu-VirtualBox:~/shalu-c$ ls
king.c king.o lab2 queen-c
shalu@shalu-VirtualBox:~/shalu-c$ cd lab2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls -a
.
..
shalu@shalu-VirtualBox:~/shalu-c/lab2$ cal>calender.txt
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls
calender.txt
shalu@shalu-VirtualBox:~/shalu-c/lab2$ cat calender.txt
cat: calender.txt: No such file or directory
shalu@shalu-VirtualBox:~/shalu-c/lab2$ cat calender.txt
September 2022
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

shalu@shalu-VirtualBox:~/shalu-c/lab2$ rm calender.txt
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls
```

```

shalu@shalu-VirtualBox:~$ cal -y 2020
                2020
    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  3  4          1          1  2  3  4  5  6  7
  5  6  7  8  9 10 11    2  3  4  5  6  7  8    8  9 10 11 12 13 14
 12 13 14 15 16 17 18    9 10 11 12 13 14 15    15 16 17 18 19 20 21
 19 20 21 22 23 24 25   16 17 18 19 20 21 22    22 23 24 25 26 27 28
 26 27 28 29 30 31     23 24 25 26 27 28 29    29 30 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  4          1  2          1  2  3  4  5  6
  5  6  7  8  9 10 11    3  4  5  6  7  8  9    7  8  9 10 11 12 13
 12 13 14 15 16 17 18   10 11 12 13 14 15 16   14 15 16 17 18 19 20
 19 20 21 22 23 24 25   17 18 19 20 21 22 23   21 22 23 24 25 26 27
 26 27 28 29 30       24 25 26 27 28 29 30   28 29 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  4          1          1  2  3  4  5
  5  6  7  8  9 10 11    2  3  4  5  6  7  8    6  7  8  9 10 11 12
 12 13 14 15 16 17 18    9 10 11 12 13 14 15   13 14 15 16 17 18 19
 19 20 21 22 23 24 25   16 17 18 19 20 21 22   20 21 22 23 24 25 26
 26 27 28 29 30 31     23 24 25 26 27 28 29   27 28 29 30
                        30 31

    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  3          1  2  3  4  5  6  7          1  2  3  4  5
  4  5  6  7  8  9 10    8  9 10 11 12 13 14    6  7  8  9 10 11 12
 11 12 13 14 15 16 17   15 16 17 18 19 20 21   13 14 15 16 17 18 19
 18 19 20 21 22 23 24   22 23 24 25 26 27 28   20 21 22 23 24 25 26
 25 26 27 28 29 30 31   29 30                27 28 29 30 31

shalu@shalu-VirtualBox:~$ █

```

```

shalu@shalu-VirtualBox:~$ date
Thursday 29 September 2022 12:11:55 AM IST
shalu@shalu-VirtualBox:~$

```

3. Try the following tasks

- Use 'touch' command to create 3 empty files called test3.2, slide12, cis2
- Use wildcards to list all filenames that have the letter s in the name
- Use wildcards to list all filenames that have the letter s as the third character in the name
- Use wildcards to list all filenames that have the number 1 or 3 in the name
- Use wildcards to list all filenames that have at least 2 digits, and the digits
- don't have to be next to each other. (A digit is a numeric value between 0 and 9)
- Use an option of the ls command to see the size in bytes of file test3.2
- Rename test3.2 to temp2
- Run a command to prove that test3.2 doesn't exists
- Use a command to delete all 3 files that you created in this lab

```
shalu@shalu-VirtualBox:~/shalu-c/lab2$ touch test3.2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ touch slide12
shalu@shalu-VirtualBox:~/shalu-c/lab2$ touch cis2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls
cis2  slide12  test3.2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls -d *s*
cis2  slide12  test3.2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls -d ??s*
cis2  test3.2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls -d *[13]*
slide12  test3.2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls -l test3.2
-rw-rw-r-- 1 shalu shalu 0 Sep 19 23:41 test3.2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ mv test3.2 temp2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls
cis2  slide12  temp2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ rm cis2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ rm slide12
shalu@shalu-VirtualBox:~/shalu-c/lab2$ rm temp2
shalu@shalu-VirtualBox:~/shalu-c/lab2$ ls
shalu@shalu-VirtualBox:~/shalu-c/lab2$
```