

```
bmsce@bmsce-Precision-T1700:~$ ps
  PID TTY          TIME CMD
 11169 pts/0    00:00:00 bash
 11396 pts/0    00:00:00 ps
bmsce@bmsce-Precision-T1700:~$ type cal
cal is /usr/bin/cal
bmsce@bmsce-Precision-T1700:~$ type bc
bc is /usr/bin/bc
bmsce@bmsce-Precision-T1700:~$ type yathri
bash: type: yathri: not found
bmsce@bmsce-Precision-T1700:~$
```

```
bmsce@bmsce-Precision-T1700:~$ cd yathri
bmsce@bmsce-Precision-T1700:~/yathri$ mkdir demo demo/demo1
bmsce@bmsce-Precision-T1700:~/yathri$ ls yathri
ls: cannot access 'yathri': No such file or directory
bmsce@bmsce-Precision-T1700:~/yathri$ ls
demo  USP
bmsce@bmsce-Precision-T1700:~/yathri$ cd demo
bmsce@bmsce-Precision-T1700:~/yathri/demo$ ls
demo1
bmsce@bmsce-Precision-T1700:~/yathri/demo$ cd ..
bmsce@bmsce-Precision-T1700:~/yathri$ rm -d demo
rm: cannot remove 'demo': Directory not empty
bmsce@bmsce-Precision-T1700:~/yathri$ rm -d demo1
rm: cannot remove 'demo1': No such file or directory
bmsce@bmsce-Precision-T1700:~/yathri$ cd demo
bmsce@bmsce-Precision-T1700:~/yathri/demo$ rm -d demo1
bmsce@bmsce-Precision-T1700:~/yathri/demo$ l
bmsce@bmsce-Precision-T1700:~/yathri/demo$ ls
bmsce@bmsce-Precision-T1700:~/yathri/demo$ cd ..
bmsce@bmsce-Precision-T1700:~/yathri$ cd..
cd..: command not found
bmsce@bmsce-Precision-T1700:~/yathri$ cd ..
bmsce@bmsce-Precision-T1700:~$ rm -d yathri
rm: cannot remove 'yathri': Directory not empty
bmsce@bmsce-Precision-T1700:~$
```

```
bmsce@bmsce-Precision-T1700:~$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type `warranty'.
19+67
86
10/5
2
10*6
60
12+9; 12/4; 9*6
21
3
54
bmsce@bmsce-Precision-T1700:~$ echo Welcome to Linux
Welcome to Linux
```

```

bmsce@bmsce-Precision-T1700:~/yathri/USP$ man uname
bmsce@bmsce-Precision-T1700:~/yathri/USP$ uname -a
Linux bmsce-Precision-T1700 5.0.0-38-generic #41-Ubuntu SMP Tue Dec 3 00:27:35 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
bmsce@bmsce-Precision-T1700:~/yathri/USP$ uname -s
Linux
bmsce@bmsce-Precision-T1700:~/yathri/USP$ man ps
bmsce@bmsce-Precision-T1700:~/yathri/USP$
bmsce@bmsce-Precision-T1700:~/yathri/USP$ ps -e
  PID TTY          TIME CMD
    1 ?        00:00:03 systemd
    2 ?        00:00:00 kthreadd
    3 ?        00:00:00 rcu_gp
    4 ?        00:00:00 rcu_par_gp
    5 ?        00:00:00 kworker/0:0-events
    6 ?        00:00:00 kworker/0:0H-kblockd
    8 ?        00:00:00 mm_percpu_wq
    9 ?        00:00:00 ksoftirqd/0
   10 ?        00:00:02 rcu_sched
   11 ?        00:00:00 migration/0
   12 ?        00:00:00 idle_inject/0
   14 ?        00:00:00 cpuhp/0
   15 ?        00:00:00 cpuhp/1
   16 ?        00:00:00 idle_inject/1
   17 ?        00:00:00 migration/1
   18 ?        00:00:00 ksoftirqd/1
   20 ?        00:00:00 kworker/1:0H-kblockd
   21 ?        00:00:00 cpuhp/2
   22 ?        00:00:00 idle_inject/2
   23 ?        00:00:00 migration/2
   24 ?        00:00:00 ksoftirqd/2
   26 ?        00:00:00 kworker/2:0H-kblockd
   27 ?        00:00:00 cpuhp/3
   28 ?        00:00:00 idle_inject/3
   29 ?        00:00:00 migration/3
   30 ?        00:00:00 ksoftirqd/3
   32 ?        00:00:00 kworker/3:0H-kblockd
   33 ?        00:00:00 cpuhp/4
   34 ?        00:00:00 idle_inject/4
   35 ?        00:00:00 migration/4
   36 ?        00:00:00 ksoftirqd/4
   38 ?        00:00:00 kworker/4:0H-kblockd
   39 ?        00:00:00 cpuhp/5
   40 ?        00:00:00 idle_inject/5

```

```

bmsce@bmsce-Precision-T1700:~$ cd yathri
bmsce@bmsce-Precision-T1700:~/yathri$ cd USP
bmsce@bmsce-Precision-T1700:~/yathri/USP$ wc demo
 3  9 49 demo
bmsce@bmsce-Precision-T1700:~/yathri/USP$ ls -l demo*
-rw-r--r-- 1 bmsce bmsce 49 Nov  8 12:05 demo
bmsce@bmsce-Precision-T1700:~/yathri/USP$ ls demo
demo
bmsce@bmsce-Precision-T1700:~/yathri/USP$ ls demo*
demo
bmsce@bmsce-Precision-T1700:~/yathri/USP$ ls d*
demo
bmsce@bmsce-Precision-T1700:~/yathri/USP$ cat demo
Good morning
welcome to Linux. Have a good day

bmsce@bmsce-Precision-T1700:~/yathri/USP$ ls|wc demo
 3  9 49 demo
bmsce@bmsce-Precision-T1700:~/yathri/USP$ █

```

```

bmsce@bmsce-Precision-T1700:~$ rmdir sem
rmdir: failed to remove 'sem': No such file or directory
bmsce@bmsce-Precision-T1700:~$ cd CS
bmsce@bmsce-Precision-T1700:~/CS$ rmdir sem
bmsce@bmsce-Precision-T1700:~/CS$ pwd
/home/bmsce/CS
bmsce@bmsce-Precision-T1700:~/CS$ cd sem
bash: cd: sem: No such file or directory
bmsce@bmsce-Precision-T1700:~/CS$ rmdir Cs
rmdir: failed to remove 'Cs': No such file or directory
bmsce@bmsce-Precision-T1700:~/CS$ rmdir CS
rmdir: failed to remove 'CS': No such file or directory
bmsce@bmsce-Precision-T1700:~/CS$ cd
bmsce@bmsce-Precision-T1700:~$ rmdirCS
rmdirCS: command not found
bmsce@bmsce-Precision-T1700:~$ rmdir CS
rmdir: failed to remove 'CS': Directory not empty
bmsce@bmsce-Precision-T1700:~$

```

```

bmsce@bmsce-Precision-T1700:~$ cd yathri
bmsce@bmsce-Precision-T1700:~/yathri$ cd CS
bash: cd: CS: No such file or directory
bmsce@bmsce-Precision-T1700:~/yathri$ cd.

```

Command 'cd.' not found, did you mean:

```

command 'cdv' from deb codeville (0.8.0-2.1)
command 'cdp' from deb irpas (0.10-7)
command 'cd5' from deb cd5 (0.1-4)
command 'cdb' from deb tinycdb (0.78build1)
command 'cde' from deb cde (0.1+git9-g551e54d-1.1build1)
command 'cdw' from deb cdw (0.8.1-1build4)
command 'cdo' from deb cdo (1.9.9~rc1-1)
command 'cdi' from deb cdo (1.9.9~rc1-1)

```

Try: `sudo apt install <deb name>`

```

bmsce@bmsce-Precision-T1700:~/yathri$ cd
bmsce@bmsce-Precision-T1700:~$ cd CS
bmsce@bmsce-Precision-T1700:~/CS$ cd sem
bmsce@bmsce-Precision-T1700:~/CS/sem$ pwd
/home/bmsce/CS/sem

```

```

bmsce@bmsce-Precision-T1700:~$ mkdir CS CS/sem CS/final
bmsce@bmsce-Precision-T1700:~$ ls
123comb.sh      combinatton.sh  ex3.sh          greatest.sh      Music            prog15.sh       snap-2.4.0-b16-hadoop2.0.tgz  tmp
1010PCS404     combt.sh        gross.sh         gross.sh         ns-allinome-2.35 ns-allinome-3.35 ns-allinome-3.35 tar.gz      ttt.sh
abc             comb_num.sh     hello.c          hello.c          ns-allinome-3.29 ns-allinome-3.29 tar.gz      ttt.sh-
Android         Convert_string_to_list.py  ex.class        import_butsness_bank.err.20220613_145549  ns-allinome-3.29 tar.gz      units
AndroidStudioProjects  count.sh        ex.scala        lab1_num.sh     number.sh        num.sh          operations.sh  salary.sh
Anjali         CS              fact.sh         lab2a.sh        num.sh           power_num.sh    pictures       sgahu.sh
a.out          CS003          fahrante.sh     lab2a.sh        num.sh           primesun.sh     primesun.sh-  stdb1.txt
area.sh        demo           fahranite.sh    lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt
area.sh-       Desktop        fib1.sh         lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt
armstrong.sh   dev            fib2.sh         lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt
armstrong.sh-  Documents     fib3.sh         lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt
biggest.sh     Downloads     file.c          lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt
calc.sh        eclipse-workspace  file.c         lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt
calc.sh-       etc            file.c         lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt
calc.sh-       'ex$Sanonfun$natn$1.class'  file.c         lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt
cassandra      'ex$.class'    f1rst.sh        lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt
cassandra.pld  ex1.sh         grade_stud.sh   lab2a.sh        num.sh           prog13.sh       prog13.sh-    stdb1.txt

```

```

bmsce@bmsce-Precision-T1700:~$ echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/usr/local/pig/bin:/home/bmsce/ns-allinnone-2.35/bin:/home/bmsce/ns-allinnone-2.35/tcl8.5.10/unix:/home/ncs8
9/ns-allinnone-2.35/tk8.5.10/unix:/home/bmsce/software/XGraph4.38_linux64/bin:/opt/pt/bin:/opt/spark/bin:/opt/spark/sbin:/home/bmsce/ns-allinnone-2.35/bin:/home/bmsce/ns-allinnone-2.35/tcl8.5.10/unix:/home/n
c89/ns-allinnone-2.35/tk8.5.10/unix:/home/bmsce/software/XGraph4.38_linux64/bin:/opt/pt/bin:/opt/spark/bin:/opt/spark/sbin
bmsce@bmsce-Precision-T1700:~$ echo $SHELL
/bin/bash
bmsce@bmsce-Precision-T1700:~$ mkdir yathri
bmsce@bmsce-Precision-T1700:~$ ls
123comb.sh      combination.sh  examples.desktop  gross.sh          ns-allinnone-2.35  prog15.sh       sparkdata.txt    ttt.sh
18M20CS484     comb1.sh       ex.class          gross.sh-         ns-allinnone-2.35.tar.gz  prog1.sh       sparkdata.txt-   ttt.sh-
abc            comb_num.sh    ex.scala          hello.c           ns-allinnone-3.29  prog2.sh       src.txt          units
Android        Convert_string_to_list.py  ex.scala-fact.sh  import_buisness_bank.err.20220613_145549  ns-allinnone-3.29.tar.bz2  prog3.sh       sunevennum.sh   vaccine.csv
AndroidStudioProjects  count.sh       fact.sh          lab1_num.sh       number.sh          public          sunofeven       videos
Anjali         CS003         fahrante.sh      lab2a.sh          num.sh            operations.sh   sunofeven.sh   vowel2.sh
a.out          demo          fib1.sh          lab2b.sh          num.sh            operations.sh   sunofeven.sh   vowel2.sh-
area.sh        Desktop        file1.sh         largest.sh        Pictures          power_num.sh   temp            temperature.sh  vowels.sh
area.sh-       Documents     file2.sh         largest.sh-       prmesun.sh       salary.sh      templates       test           test1         testing
armstrong.sh   Downloads     file3.sh         leap.sh           primesun.sh      salary.sh-     test           test           test           test
biggest.sh     eclipse-workspace  file.c          leap_year.sh     primesun.sh-     salary.sh-     test           test           test           test
calc.sh        etc           file.c-         linuxlab         prog13.sh        sidbl1.txt    test           test           test           test
calc.sh-       'ex$Sanonfun$main$1.class'  flrst.sh       lwc.sh           prog13.sh-       sidbl1.txt    test           test           test           test
calcs1nu.sh    'ex$.class'   fp             lwc.sh-          prog14.sh        snap          test           test           test           test
cassandra      ex1.sh       grade_stud.sh   lwc.txt          prog14.sh-       softwares     test           test           test           test
cassandra.pid  ex3.sh       greatest.sh     Music            prog15.sh        spark-2.4.0-bin-hadoop2.6.tgz  tnp            tnp
bmsce@bmsce-Precision-T1700:~$ man
What manual page do you want?
bmsce@bmsce-Precision-T1700:~$ date
Tuesday 08 November 2022 11:43:07 AM IST
bmsce@bmsce-Precision-T1700:~$ man wc
bmsce@bmsce-Precision-T1700:~$ man date
bmsce@bmsce-Precision-T1700:~$ man cal
bmsce@bmsce-Precision-T1700:~$
bmsce@bmsce-Precision-T1700:~$ who
bmsce  :0                2022-11-08 11:23 (:0)
bmsce@bmsce-Precision-T1700:~$ pwd
/home/bmsce
bmsce@bmsce-Precision-T1700:~$ ls
123comb.sh      combination.sh  examples.desktop  gross.sh          ns-allinnone-2.35  prog15.sh       sparkdata.txt    ttt.sh
18M20CS484     comb1.sh       ex.class          gross.sh-         ns-allinnone-2.35.tar.gz  prog1.sh       sparkdata.txt-   ttt.sh-
abc            comb_num.sh    ex.scala          hello.c           ns-allinnone-3.29  prog2.sh       src.txt          units
Android        Convert_string_to_list.py  ex.scala-fact.sh  import_buisness_bank.err.20220613_145549  ns-allinnone-3.29.tar.bz2  prog3.sh       sunevennum.sh   vaccine.csv
AndroidStudioProjects  count.sh       fact.sh          lab1_num.sh       number.sh          public          sunofeven       videos
Anjali         CS003         fahrante.sh      lab2a.sh          num.sh            operations.sh   sunofeven.sh   vowel2.sh
a.out          demo          fib1.sh          lab2b.sh          num.sh            operations.sh   sunofeven.sh   vowel2.sh-
area.sh        Desktop        file1.sh         largest.sh        Pictures          power_num.sh   temp            temperature.sh  vowels.sh
area.sh-       Documents     file2.sh         largest.sh-       prmesun.sh       salary.sh      templates       test           test1         testing
armstrong.sh   Downloads     file3.sh         leap.sh           primesun.sh      salary.sh-     test           test           test           test
biggest.sh     eclipse-workspace  file.c          leap_year.sh     primesun.sh-     salary.sh-     test           test           test           test
calc.sh        etc           file.c-         linuxlab         prog13.sh        sidbl1.txt    test           test           test           test
calc.sh-       'ex$Sanonfun$main$1.class'  flrst.sh       lwc.sh           prog13.sh-       sidbl1.txt    test           test           test           test
calcs1nu.sh    'ex$.class'   fp             lwc.sh-          prog14.sh        snap          test           test           test           test
cassandra      ex1.sh       grade_stud.sh   lwc.txt          prog14.sh-       softwares     test           test           test           test
cassandra.pid  ex3.sh       greatest.sh     Music            prog15.sh        spark-2.4.0-bin-hadoop2.6.tgz  tnp            tnp

```

```

bash: /opt/ros/noetic/setup.bash: No such file or directory
bash: /opt/ros/noetic/setup.bash: No such file or directory
bmsce@bmsce-Precision-T1700:~$ date
Tuesday 08 November 2022 11:25:36 AM IST
bmsce@bmsce-Precision-T1700:~$ cal
      November 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

bmsce@bmsce-Precision-T1700:~$ date +%h
Nov
bmsce@bmsce-Precision-T1700:~$ cal 12 2022
      December 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 31

bmsce@bmsce-Precision-T1700:~$ date +%h%m
Nov11
bmsce@bmsce-Precision-T1700:~$ date +%D
11/08/22
bmsce@bmsce-Precision-T1700:~$ cal 2021|more
      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  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
      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  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
      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  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

```