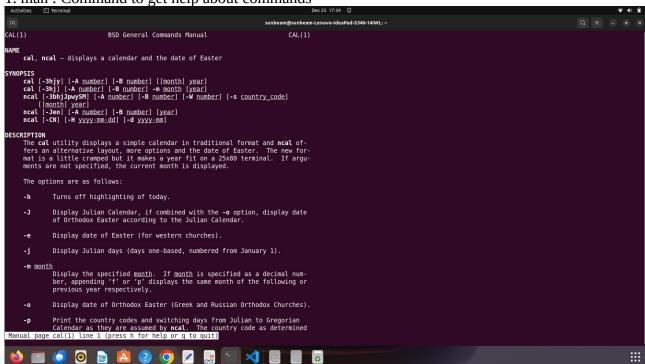# Assignment-1 Basic Linux Commands

1. man : Command to get help about commands

uname : Print System information

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ uname
Linux
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$
```

pwd: Print current directory

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ pwd
/home/sunbeam
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$
```

hostname: Print IP address and hostname of the machine

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ hostname
sunbeam-Lenovo-IdeaPad-S340-14IWL
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$
```

date: Find today's date
cal: Print calendar for current year
ls, dir: See directory structure
cat: Create file
cat >>: Append some text into existing file
cp: Copy a file, Copy a directory
mv: Move the files
mv: Rename a file

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ date
Monday 25 December 2023 03:17:48 PM IST
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ pwd
/home/sunbeam
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ cal
    December 2023
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
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ cal -y
                            2023
        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              1  2  3  4              1  2  3  4
 8  9 10 11 12 13 14     5  6  7  8  9 10 11     5  6  7  8  9 10 11
15 16 17 18 19 20 21    12 13 14 15 16 17 18    12 13 14 15 16 17 18
22 23 24 25 26 27 28    19 20 21 22 23 24 25    19 20 21 22 23 24 25
29 30 31                26 27 28                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        1  2  3  4  5  6                 1  2  3
 2  3  4  5  6  7  8     7  8  9 10 11 12 13     4  5  6  7  8  9 10
 9 10 11 12 13 14 15    14 15 16 17 18 19 20    11 12 13 14 15 16 17
16 17 18 19 20 21 22    21 22 23 24 25 26 27    18 19 20 21 22 23 24
23 24 25 26 27 28 29    28 29 30 31             25 26 27 28 29 30
30

          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           1  2  3  4  5                    1  2
 2  3  4  5  6  7  8     6  7  8  9 10 11 12     3  4  5  6  7  8  9
 9 10 11 12 13 14 15    13 14 15 16 17 18 19    10 11 12 13 14 15 16
16 17 18 19 20 21 22    20 21 22 23 24 25 26    17 18 19 20 21 22 23
23 24 25 26 27 28 29    27 28 29 30 31          24 25 26 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  4  5  6  7              1  2  3  4                    1  2
 8  9 10 11 12 13 14     5  6  7  8  9 10 11     3  4  5  6  7  8  9
15 16 17 18 19 20 21    12 13 14 15 16 17 18    10 11 12 13 14 15 16
22 23 24 25 26 27 28    19 20 21 22 23 24 25    17 18 19 20 21 22 23
29 30 31                26 27 28 29 30          24 25 26 27 28 29 30
                                                31
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ cal -y 2023
                               2023
          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               1  2  3  4               1  2  3  4
 8  9 10 11 12 13 14      5  6  7  8  9 10 11      5  6  7  8  9 10 11
15 16 17 18 19 20 21     12 13 14 15 16 17 18     12 13 14 15 16 17 18
22 23 24 25 26 27 28     19 20 21 22 23 24 25     19 20 21 22 23 24 25
29 30 31                 26 27 28                 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         1  2  3  4  5  6               1  2  3
 2  3  4  5  6  7  8      7  8  9 10 11 12 13      4  5  6  7  8  9 10
 9 10 11 12 13 14 15     14 15 16 17 18 19 20     11 12 13 14 15 16 17
16 17 18 19 20 21 22     21 22 23 24 25 26 27     18 19 20 21 22 23 24
23 24 25 26 27 28 29     28 29 30 31              25 26 27 28 29 30
30

           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         1  2  3  4  5                     1  2
 2  3  4  5  6  7  8      6  7  8  9 10 11 12      3  4  5  6  7  8  9
 9 10 11 12 13 14 15     13 14 15 16 17 18 19     10 11 12 13 14 15 16
16 17 18 19 20 21 22     20 21 22 23 24 25 26     17 18 19 20 21 22 23
23 24 25 26 27 28 29     27 28 29 30 31           24 25 26 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  4  5  6  7               1  2  3  4               1  2
 8  9 10 11 12 13 14      5  6  7  8  9 10 11      3  4  5  6  7  8  9
15 16 17 18 19 20 21     12 13 14 15 16 17 18     10 11 12 13 14 15 16
22 23 24 25 26 27 28     19 20 21 22 23 24 25     17 18 19 20 21 22 23
29 30 31                 26 27 28 29 30           24 25 26 27 28 29 30
                                                  31
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ ls
 Adroid                 'C Tutorial'          Documents       hekathons       'java (1)'      Movie_Ticket_Booking_Project   Public                  Videos
'Advance _java'         'DBMS ASSIGENEMENT'   Downloads       hekathons.zip    javaLabetst    Music                          snap                   'Web Development'
 Advance_Java           dbms_git             exam-80477      inde.htm         JavaScript     node                           'Sunbem class'
 Android                demo                 exam-80477.zip   index            java.zip       Pictures                        Templates
 AndroidStudioProjects  Desktop              git             Insta-clone      LabTest        Postman                         token
 CCEE                   Dmc_Assignment       hackathon1      java             LabTest.zip    Practise                       'Untitled Document 1'
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ mkdir -p dir1/dir2.dir3/dir4
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ ls
 Adroid                 'C Tutorial'          demo3           exam-80477       inde.htm       JavaScript                      node                   'Sunbem class'
'Advance _java'         'DBMS ASSIGENEMENT'   Desktop         exam-80477.zip   index          java.zip                        Pictures                Templates
 Advance_Java           dbms_git             dir1            git              Insta-clone    LabTest                         Postman                 token
 Android                demo                 Dmc_Assignment  hackathon1       java           LabTest.zip                     Practise               'Untitled Document 1'
 AndroidStudioProjects  demo1                Documents       hekathons        'java (1)'     Movie_Ticket_Booking_Project    Public                  Videos
 CCEE                   demo2                Downloads       hekathons.zip     javaLabetst    Music                          snap                   'Web Development'
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$
```

```
 CCEE                   demo2                Downloads       hekathons.zip    javaLabetst    Music                          snap                   'Web Development'
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ ls /home/sunbeam/dir1/dir2.dir3/dir4
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ ls /home/sunbeam/dir1/dir2.dir3/dir4
file1.txt
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ ls dir1/dir2.dir3/dir4
file1.txt
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ ls dir1/dir2.dir3
dir4
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ cd demo1
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo1$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ cd -
/home/sunbeam
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ mkdir demo
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~$ cd demo
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ touch file.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
file.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ touch f1.text f2.text f3.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
f1.text  f2.text  f3.text  file.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cat >> demo1.txt
hi
hello
dmc
dac
^C
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cat demo1.txt
hi
hello
dmc
dac
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cat >> demo1.txt
desd
^C
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cat demo1.txt
hi
hello
dmc
dac
desd
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cat demo1.text
satyam
kumar
santosh
kumar
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cp demo1.text demo2.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cat demo2.text
satyam
kumar
santosh
kumar
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
demo1.text  demo1.txt  demo2.text  f1.text  f2.text  f3.text  file.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ mkdir demo1
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ mkdir demo2
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
demo1  demo1.text  demo1.txt  demo2  demo2.text  f1.text  f2.text  f3.text  file.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cp demo1 demo2
cp: -r not specified; omitting directory 'demo1'
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cp -r demo1 demo2
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
demo1  demo1.text  demo1.txt  demo2  demo2.text  f1.text  f2.text  f3.text  file.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
demo1  demo1.text  demo1.txt  demo2  demo2.text  f1.text  f2.text  f3.text  file.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ mv file.text file1.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
demo1  demo1.text  demo1.txt  demo2  demo2.text  f1.text  f2.text  f3.text  file1.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ mv file1.text demo2
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
demo1  demo1.text  demo1.txt  demo2  demo2.text  f1.text  f2.text  f3.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cd demo2
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo/demo2$ ls
demo1  file1.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo/demo2$ cd ..
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo/demo2$ cd ..
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ rm demo1.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
demo1  demo1.txt  demo2  demo2.text  f1.text  f2.text  f3.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ rm demo1.text
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
demo1  demo1.txt  demo2  demo2.text  f1.text  f2.text  f3.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ rm -r demo2
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ ls
demo1  demo1.txt  demo2.text  f1.text  f2.text  f3.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ cat demo1.text
Hi, Satyam How r u
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ wc demo1.text
 1  5 19 demo1.text
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```

```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$ sort demo1.txt
asd
bdopr
mosasd
voui
yreq
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL:~/demo$
```