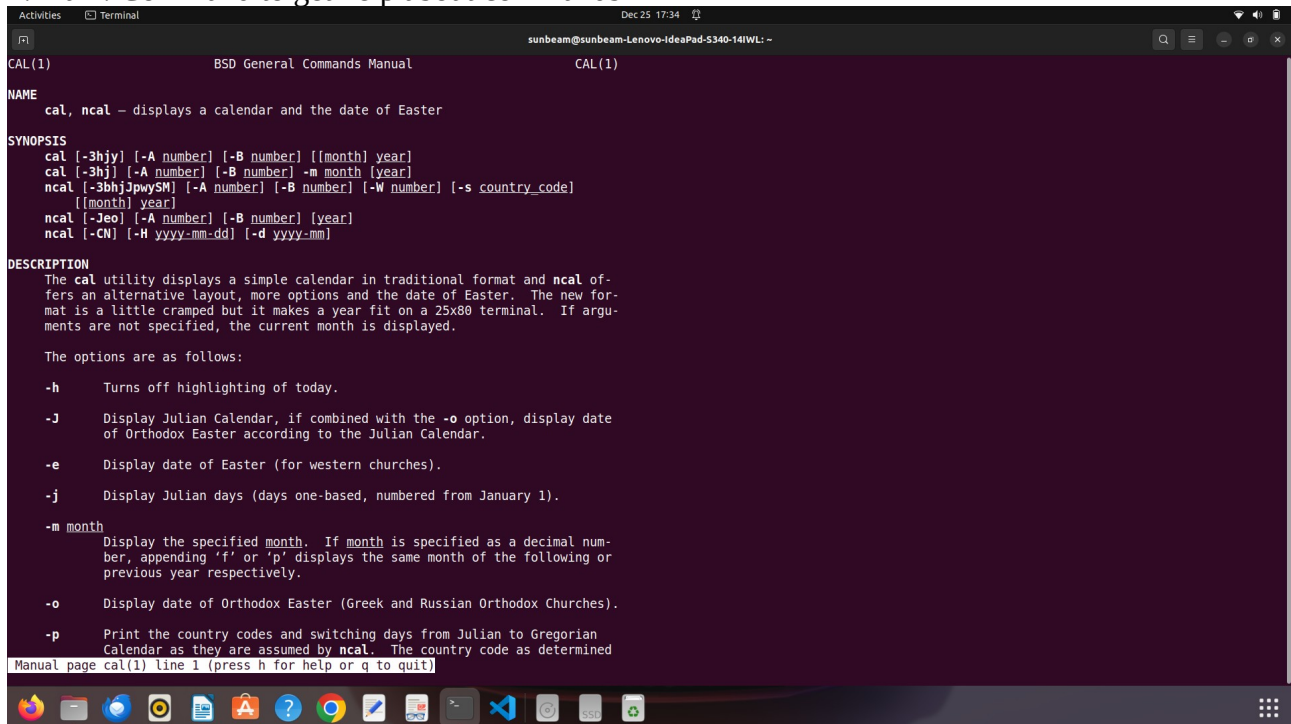


Assignment-1 Basic Linux Commands

1. man : Command to get help about commands



```
sunbeam@sunbeam-Lenovo-IdeaPad-S340-14IWL: ~  
CAL(1) BSD General Commands Manual CAL(1)  
NAME  
cal, ncal - displays a calendar and the date of Easter  
SYNOPSIS  
cal [-3hijy] [-A number] [-B number] [[month] year]  
cal [-3hj] [-A number] [-B number] -m month [year]  
ncal [-3bhj] [-A number] [-B number] [-W number] [-s country_code]  
[[month] year]  
ncal [-Jeo] [-A number] [-B number] [year]  
ncal [-CN] [-H yyyy-mm-dd] [-d yyyy-mm]  
DESCRIPTION  
The cal utility displays a simple calendar in traditional format and ncal of-  
fers an alternative layout, more options and the date of Easter. The new for-  
mat is a little cramped but it makes a year fit on a 25x80 terminal. If argu-  
ments are not specified, the current month is displayed.  
The options are as follows:  
-h Turns off highlighting of today.  
-J Display Julian Calendar, if combined with the -o option, display date  
of Orthodox Easter according to the Julian Calendar.  
-e Display date of Easter (for western churches).  
-j Display Julian days (days one-based, numbered from January 1).  
-m month Display the specified month. If month is specified as a decimal num-  
ber, appending 'f' or 'p' displays the same month of the following or  
previous year respectively.  
-o Display date of Orthodox Easter (Greek and Russian Orthodox Churches).  
-p Print the country codes and switching days from Julian to Gregorian  
Calendar as they are assumed by ncal. The country code as determined  
Manual page cal(1) line 1 (press h for help or q to quit)
```

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 ASSIGNEMENT'  Downloads      hekathons.zip  javaLabetst     Music      'Sunbem class'  'Web Development'
Advance_Java    dbms_git          exam-80477     inde.htm       JavaScript       node       'Templates'
Android        demo              exam-80477.zip index          java.zip         Pictures    token
AndroidStudioProjects  Desktop          git            Insta-clone    LabTest.zip     Postman    'Untitled Document 1'
CCEE          Dmc_Assignment    hackathon1     java           Practise
```

```
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 ASSIGNEMENT'  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'
```

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

```
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 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$
```