

Assignment 1

CAL(1) General Commands Manual CAL(1)

NAME

`cal`, `ncal` – displays a calendar and the date of Easter

SYNOPSIS

```
cal [-3h jy] [-A number] [-B number] [[month] year]  
cal [-3hj] [-A number] [-B number] -m month [year]  
ncal [-3bhj]pwySM [-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` offers an alternative layout, more options and the date of Easter. The new format is a little cramped but it makes a year fit on a 25x80 terminal. If arguments 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).

```
osboxes@osboxes:~$ pwd  
/home/osboxes
```

```
osboxes@osboxes:~$ uname  
Linux
```

```
osboxes@osboxes:~$ hostname  
osboxes
```

```
osboxes@osboxes:~$ hostname -i
127.0.1.1
```

```
osboxes@osboxes:~$ date
Mon Oct  7 11:02:10 AM EDT 2024
```

```
osboxes@osboxes:~$ cal
      October 2024
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
```

```
osboxes@osboxes:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos
```

```
osboxes@osboxes:~$ dir
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos
```

```
osboxes@osboxes:~$ cat > new1.txt
Nikhil Shinde
Yash Dope
Ashish prasad
Mayur bhole
Pankajosboxes@osboxes:~$ cat new1.txt
Nikhil Shinde
Yash Dope
Ashish prasad
Mayur bhole
Pankajosboxes@osboxes:~$
```

```
Nikhil  
osboxes@osboxes:~$ cat new1.txt  
Nikhil Shinde  
Yash Dope  
Ashish prasad  
Mayur bhole  
PankajRudra vinay  
Arya magar  
TusharNikhil  
osboxes@osboxes:~$
```

```
osboxes@osboxes:~$ cat file.txt  
Nikhil Shinde  
Yash Dope  
Ashish prasad  
Mayur bhole  
PankajRudra vinay  
Arya magar  
TusharNikhil  
osboxes@osboxes:~$
```

```
osboxes@osboxes:~$ mv file.txt Downloads  
osboxes@osboxes:~$ ls Downloads  
file.txt  
osboxes@osboxes:~$
```

```
osboxes@osboxes:~/Desktop$ mkdir os  
osboxes@osboxes:~/Desktop$ ls  
os  
osboxes@osboxes:~/Desktop$ cd os  
osboxes@osboxes:~/Desktop/os$
```

```
osboxes@osboxes:~/Desktop/os$ cat > new.txt
45
89
25
12
23
10
1
2
56
8
7
89
10
```

```
osboxes@osboxes:~/Desktop/os$ cat new.txt
45
89
25
12
23
10
1
2
56
8
7
89
10
```

```
osboxes@osboxes:~/Desktop/os$ tac new.txt
```

```
10  
89  
7  
8  
56  
2  
1  
10  
23  
12  
25  
89  
45
```

```
osboxes@osboxes:~/Desktop/os$ rev new.txt
```

```
54  
98  
52  
21  
32  
01  
1  
2  
65  
8  
7  
98  
01
```

```
osboxes@osboxes:~/Desktop/os$ wc new.txt
```

```
13 13 35 new.txt
```

```
osboxes@osboxes:~/Desktop/os$ rm new.txt
```

```
osboxes@osboxes:~/Desktop/os$ ls
```

```
osboxes@osboxes:~/Desktop/os$ cd ..  
osboxes@osboxes:~/Desktop$ rmdir os  
osboxes@osboxes:~/Desktop$ ls
```

```
osboxes@osboxes:~/Desktop$ touch file.txt  
osboxes@osboxes:~/Desktop$ ls  
file.txt
```

```
osboxes@osboxes:~/Desktop$ touch file1.txt file2.txt file3.txt  
osboxes@osboxes:~/Desktop$ ls  
file1.txt file2.txt file3.txt file.txt
```

```
osboxes@osboxes:~/Desktop$ uniq file.txt  
Nikhil  
Yash  
Ashish  
Pankaj  
Mayur  
Rudra  
12  
4  
5  
68  
89  
58  
78  
1  
2  
3  
52  
85  
14  
10  
9  
8  
7
```

```
osboxes@osboxes:~/Desktop$ head file.txt
Nikhil
Yash
Ashish
Pankaj
Mayur
Rudra
12
4
5
68
osboxes@osboxes:~/Desktop$ head -8 file.txt
Nikhil
Yash
Ashish
Pankaj
Mayur
Rudra
12
4
```

```
osboxes@osboxes:~/Desktop$ tail file.txt
1
2
3
52
85
14
10
9
8
7
osboxes@osboxes:~/Desktop$ tail -5 new.txt
tail: cannot open 'new.txt' for reading: No such file or directory
osboxes@osboxes:~/Desktop$ tail -5 file.txt
14
10
9
8
7
osboxes@osboxes:~/Desktop$
```

```
osboxes@osboxes:~/Desktop$ factor 4
4: 2 2
osboxes@osboxes:~/Desktop$ factor 5
5: 5
osboxes@osboxes:~/Desktop$ factor 12
12: 2 2 3
osboxes@osboxes:~/Desktop$
```

```
osboxes@osboxes:~/Desktop$ alias ns=file.txt
osboxes@osboxes:~/Desktop$ ns
file.txt: command not found
osboxes@osboxes:~/Desktop$ alias ns="ls -l -i -a"
osboxes@osboxes:~/Desktop$ ns
total 12
8126541 drwxr-xr-x  2 osboxes osboxes 4096 Oct  8 08:09 .
8126466 drwxr-x-- 15 osboxes osboxes 4096 Oct  7 11:11 ..
8127328 -rw-rw-r--  1 osboxes osboxes    0 Oct  8 08:09 file1.txt
8127330 -rw-rw-r--  1 osboxes osboxes    0 Oct  8 08:09 file2.txt
8127331 -rw-rw-r--  1 osboxes osboxes    0 Oct  8 08:09 file3.txt
8126881 -rw-rw-r--  1 osboxes osboxes   81 Oct  8 08:12 file.txt
osboxes@osboxes:~/Desktop$ unalias ns
osboxes@osboxes:~/Desktop$ ns
Command 'ns' not found, but can be installed with:
sudo apt install ns2
osboxes@osboxes:~/Desktop$
```

```
osboxes@osboxes:~/Desktop$ echo "Hello world"
Hello world
```

```
osboxes@osboxes:~/Desktop$ ps
  PID TTY          TIME CMD
 2197 pts/0    00:00:00 bash
 30307 pts/0    00:00:00 ps
```



```
osboxes@osboxes:~/Desktop$ env
SHELL=/bin/bash
SESSION_MANAGER=local/osboxes:@/tmp/.ICE-unix/1305,unix/osbo
QT_ACCESSIBILITY=1
COLORTERM=truecolor
XDG_CONFIG_DIRS=/etc/xdg/xdg-ubuntu:/etc/xdg
XDG_MENU_PREFIX=gnome-
```