

## Date and calendar

~\$ mkdir Zoya\_Momin

~\$ date

Sun Feb 4 15:22:56 UTC 2024

~\$ cal 2004

```

                2004
    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  1 2 3 4 5 6 7   1 2 3 4 5 6
 4 5 6 7 8 9 10 8 9 10 11 12 13 14  7 8 9 10 11 12 13
11 12 13 14 15 16 17 15 16 17 18 19 20 21 14 15 16 17 18 19 20
18 19 20 21 22 23 24 22 23 24 25 26 27 28 21 22 23 24 25 26 27
25 26 27 28 29 30 31 29                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          1   1 2 3 4 5
 4 5 6 7 8 9 10  2 3 4 5 6 7 8  6 7 8 9 10 11 12
11 12 13 14 15 16 17  9 10 11 12 13 14 15 13 14 15 16 17 18 19
18 19 20 21 22 23 24 16 17 18 19 20 21 22 20 21 22 23 24 25 26
25 26 27 28 29 30  23 24 25 26 27 28 29 27 28 29 30
                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  1 2 3 4 5 6 7   1 2 3 4
 4 5 6 7 8 9 10  8 9 10 11 12 13 14  5 6 7 8 9 10 11
11 12 13 14 15 16 17 15 16 17 18 19 20 21 12 13 14 15 16 17 18
18 19 20 21 22 23 24 22 23 24 25 26 27 28 19 20 21 22 23 24 25
25 26 27 28 29 30 31 29 30 31        26 27 28 29 30
```

```

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

~\$ cal 04 2010

```

    April 2010
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
```

```
~$ mkdir Zoya_Momin
```

```
~$ date
```

```
Sun Feb  4 15:22:56 UTC 2024
```

```
~$ cal 2004
```

```

                2004
    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      1  2  3  4  5  6  7      1  2  3  4  5  6
  4  5  6  7  8  9 10   8  9 10 11 12 13 14   7  8  9 10 11 12 13
11 12 13 14 15 16 17 15 16 17 18 19 20 21 14 15 16 17 18 19 20
18 19 20 21 22 23 24 22 23 24 25 26 27 28 21 22 23 24 25 26 27
25 26 27 28 29 30 31 29                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      1                1  2  3  4  5
  4  5  6  7  8  9 10   2  3  4  5  6  7  8   6  7  8  9 10 11 12
11 12 13 14 15 16 17   9 10 11 12 13 14 15 13 14 15 16 17 18 19
18 19 20 21 22 23 24 16 17 18 19 20 21 22 20 21 22 23 24 25 26
25 26 27 28 29 30    23 24 25 26 27 28 29 27 28 29 30
                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      1  2  3  4  5  6  7      1  2  3  4
  4  5  6  7  8  9 10   8  9 10 11 12 13 14   5  6  7  8  9 10 11
11 12 13 14 15 16 17 15 16 17 18 19 20 21 12 13 14 15 16 17 18
18 19 20 21 22 23 24 22 23 24 25 26 27 28 19 20 21 22 23 24 25
25 26 27 28 29 30 31 29 30 31                26 27 28 29 30
```

```

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

```
~$ cal 04 2010
```

```

    April 2010
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
```

```
~$ █
```

## Making and changing directory

```
~/Zoya_Momin$ mkdir 221257
~/Zoya_Momin$ cd 221257
~/Zoya_Momin/221257$ mkdir college
~/Zoya_Momin/221257$ cd college
~/Zoya_Momin/221257/college$ mkdir auto comps IT civil
~/Zoya_Momin/221257/college$ ls
IT auto civil comps
```

## Concatenate

```
~/Zoya_Momin/221257$ cat > OS
this is an Operating system file
^Z
[1]+  Stopped                  cat > OS
~/Zoya_Momin/221257$ cat >> OS
i study in saboo
^Z
[2]+  Stopped                  cat >> OS
~/Zoya_Momin/221257$ cat OS
this is an Operating system file
i study in saboo
```

## NANO

```
~/Zoya_Momin/221257$ nano AOA
~/Zoya_Momin/221257$ ls
AOA OS college
```

## List

```
~/Zoya_Momin/221257$ ls -l
AOA
OS
college
~/Zoya_Momin/221257$ ls -l
total 3
-rw-r--r-- 1 user user 41 Mar 10 13:36 AOA
-rw-r--r-- 1 user user 58 Mar 10 13:29 OS
drwxr-xr-x 6 user user  6 Mar 10 13:17 college
```

## Sort

```
~/Zoya_Momin/221257$ cat >> name
DBMS
OS
AOA
MP
PYTHON
MATHS
^Z
[3]+  Stopped                  cat >> name
~/Zoya_Momin/221257$ sort name
AOA
DBMS
MATHS
MP
OS
PYTHON
```

## Tree

```
~/Zoya_Momin/221257$ tree
.
├── AOA
├── OS
├── college
│   ├── IT
│   ├── auto
│   ├── civil
│   └── comps
└── name

5 directories, 3 files
~/Zoya_Momin/221257$
~/Zoya_Momin/221257$ tree -a college
college
├── IT
├── auto
├── civil
└── comps

4 directories, 0 files
~/Zoya_Momin/221257/college$ cd auto
~/Zoya_Momin/221257/college/auto$
~/Zoya_Momin/221257/college/auto$ cat > sub
this is a file in auto directory
^Z
[1]+  Stopped                  cat > sub
~/Zoya_Momin/221257/college/auto$ cd ../../
~/Zoya_Momin/221257$ cd college
~/Zoya_Momin/221257/college$ cd comps
~/Zoya_Momin/221257/college/comps$ at > mp
bash: at: command not found
~/Zoya_Momin/221257/college/comps$ cat >> mp
this is a file in comps directory
^Z
[2]+  Stopped                  cat >> mp
~/Zoya_Momin/221257/college/comps$ cd ..
~/Zoya_Momin/221257/college$
~/Zoya_Momin/221257/college$ tree
.
├── IT
├── auto
│   └── sub
├── civil
└── comps
    └── mp
```

## Remove

```
~/Zoya_Momin/221257$ cd college
~/Zoya_Momin/221257/college$ rmdir IT
~/Zoya_Momin/221257/college$ tree
```

```
├── AOA
├── auto
│   └── sub
├── civil
└── comps
    ├── dbms
    └── mp
```

3 directories, 4 files

## Copy And move

```
~/Zoya_Momin/221257/college/comps$ cp mp dbms
~/Zoya_Momin/221257/college/comps$ cat mp
this is a file in comps directory
~/Zoya_Momin/221257/college/comps$ cat dbms
this is a file in comps directory
~/Zoya_Momin/221257/college/comps$
~/Zoya_Momin/221257/college/comps$ cd ../../
~/Zoya_Momin/221257$
~/Zoya_Momin/221257$ mv AOA college
~/Zoya_Momin/221257$ ls
OS college name
~/Zoya_Momin/221257$
~/Zoya_Momin/221257$ tree
```

```
├── OS
├── college
│   ├── AOA
│   ├── IT
│   ├── auto
│   │   └── sub
│   ├── civil
│   └── comps
│       ├── dbms
│       └── mp
└── name
```