

# OPERATING SYSTEMS (CT-353) LAB 01

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a) date – shows the current date and time.

```
localhost:~# date
Thu Jan 23 09:44:34 UTC 2025
localhost:~#
localhost:~#
```

b) cal – used to display the calendar.

```
localhost:~# cal
    January 2025
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
```

c) echo - used to print the message on the screen. E.g. echo "text"

```
localhost:~# echo "text"
text
```

d) ls - used to list the files. Your files are kept in a directory.

```
localhost:~# ls
bench.py  hello.c  hello.js  readme.txt
```

e) whoami – this command displays about the current user.

```
localhost:~# whoami
root
```

f) uptime - tells you how long the computer has been running since its last reboot or power-off.

```
localhost:~# uptime
09:47:35 up 2 min,  load average: 0.00, 0.00, 0.00
```

g) uname - it displays the system information such as hardware platform, system name and processor, OS type.

```
localhost:~# uname
Linux
```

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h) hostname – it displays the host name.

```
localhost:~# hostname  
localhost
```

i) bc – stands for “best calculator”

```
localhost:~# bc  
bc 1.31.1  
Adapted from https://github.com/gavinhoward/bc  
Original code (c) 2018 Gavin D. Howard and contributors
```

j) clear – this command clears the current screen.

```
localhost:~# clear
```

k) cat – this command is used for file manipulation. It is used to create, view and manipulate files.

```
localhost:~# cat>file1.txt  
Welcome
```

l) rm – deletes a file from the file system.

```
localhost:~# rm readme.txt  
localhost:~# ls  
bench.py  hello.c  hello.js
```

m) wc - tells you how many lines, words, and characters there are in a file.

```
localhost:~# wc hello.c  
7 10 76 hello.c
```