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LAB 01

a) date – shows the current date and time.

```
localhost:~# date
Thu Jan 23 09:47:00 UTC 2025
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 "Hello"
Hello
```

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

```
localhost:~# Is
sh: Is: not found
```

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

```
localhost:~# uptime
 10:03:47 up 0 min,  load average: 0.00, 0.00, 0.00
```

h) hostname – it displays the host name.

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

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

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

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
```

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

OS type.

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

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

```
localhost:~# cat>file1.txt
Welcome
localhost:~# cat>file2.txt
to Operating Systems Lab
localhost:~# cat file2.txt>>file1.txt
localhost:~# cat file1.txt
Welcome
to Operating Systems Lab
localhost:~#
```

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

```
localhost:~# ls
bench.py    file1.txt    file2.txt    hello.c    hello.js    readme.txt
localhost:~# rm file1.txt
localhost:~# ls
bench.py    file2.txt    hello.c    hello.js    readme.txt
localhost:~#
```

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

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```
localhost:~# cat file2.txt
to Operating Systems Lab
localhost:~# wc file2.txt
        1          4          25 file2.txt
```