

```
root@Nestor:~# hostname
Nestor
root@Nestor:~# env
```

```
root@Nestor:~# ps
  PID TTY          TIME CMD
  6388 pts/5    00:00:00 bash
  7493 pts/5    00:00:00 ps
root@Nestor:~# pwd
/root
root@Nestor:~# git clone https://github.com/kevinwlu/iot.git
fatal: destination path 'iot' already exists and is not an empty directory.
root@Nestor:~# cd iot
root@Nestor:~/iot# ls
README.md  economics  lesson1  lesson3  lesson6  lesson9  special_problems  tools
apps       health     lesson10 lesson4  lesson7  make      standards
cases      hype       lesson2  lesson5  lesson8  projects  systems
root@Nestor:~/iot# cd
root@Nestor:~# df
Filesystem      1K-blocks      Used Available Use% Mounted on
none              8114336          4    8114332   1% /mnt/wsl
```

```
root@Nestor:~# mkdir demo
mkdir: cannot create directory 'demo': File exists
root@Nestor:~# cd demo
root@Nestor:~/demo# nano file
root@Nestor:~/demo# cat file
hello world

root@Nestor:~/demo# cp file file1
root@Nestor:~/demo# mv file file2
root@Nestor:~/demo# rm file2
root@Nestor:~/demo#
root@Nestor:~/demo# clear
```

```

NAME(1)                                     User Commands                                     NAME(1)

NAME
  uname - print system information

SYNOPSIS
  uname [OPTION]...

DESCRIPTION
  Print certain system information.  With no OPTION, same as -s.

  -a, --all
        print all information, in the following order, except omit -p and -i if unknown:

  -s, --kernel-name
        print the kernel name

  -n, --nodename
        print the network node hostname

  -r, --kernel-release
        print the kernel release

  -v, --kernel-version
        print the kernel version
Manual page uname(1) line 1 (press h for help or q to quit)
```

```
root@Nestor:~/demo# man uname
root@Nestor:~/demo# uname -a
Linux Nestor 5.15.90.1-microsoft-standard-WSL2 #1 SMP Fri Jan 27 02:56:13 UTC 2023 x86_64 x86_64 x86_64 GNU/Linux
root@Nestor:~/demo#
```

```
root@Nestor:~/demo# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.20.168.68 netmask 255.255.240.0 broadcast 172.20.175.255
```

```
root@Nestor:~/demo# ping localhost
PING localhost (127.0.0.1) 56(84) bytes of data.
64 bytes from localhost (127.0.0.1): icmp_seq=1 ttl=64 time=0.396 ms
64 bytes from localhost (127.0.0.1): icmp_seq=2 ttl=64 time=0.053 ms
64 bytes from localhost (127.0.0.1): icmp_seq=3 ttl=64 time=0.042 ms
64 bytes from localhost (127.0.0.1): icmp_seq=4 ttl=64 time=0.048 ms
```

```
root@Nestor:~/demo# netstat
Active Internet connections (w/o servers)


| Proto | Recv-Q | Send-Q | Local Address       | Foreign Address | State       |
|-------|--------|--------|---------------------|-----------------|-------------|
| tcp   | 0      | 0      | 172.20.168.68:45619 | ks.ral.me:1883  | ESTABLISHED |
| tcp   | 0      | 0      | localhost:1883      | localhost:40348 | ESTABLISHED |
| tcp   | 0      | 0      | localhost:40348     | localhost:1883  | ESTABLISHED |


Active UNIX domain sockets (w/o servers)


| Proto | RefCnt | Flags | Type   | State     | I-Node | Path                         |
|-------|--------|-------|--------|-----------|--------|------------------------------|
| unix  | 2      | [ ]   | DGRAM  |           | 21513  | /var/run/chrony/chronyd.sock |
| unix  | 3      | [ ]   | DGRAM  | CONNECTED | 19503  | /run/systemd/notify          |
| unix  | 2      | [ ]   | DGRAM  |           | 19512  | /run/systemd/journal/syslog  |
| unix  | 8      | [ ]   | DGRAM  | CONNECTED | 19519  | /run/systemd/journal/dev-log |
| unix  | 6      | [ ]   | DGRAM  | CONNECTED | 19521  | /run/systemd/journal/socket  |
| unix  | 3      | [ ]   | STREAM | CONNECTED | 35875  | /run/dbus/system_bus_socket  |
| unix  | 3      | [ ]   | STREAM | CONNECTED | 27651  |                              |
| unix  | 3      | [ ]   | STREAM | CONNECTED | 23568  |                              |
| unix  | 3      | [ ]   | STREAM | CONNECTED | 36903  | /run/dbus/system_bus_socket  |
| unix  | 3      | [ ]   | STREAM | CONNECTED | 29762  |                              |
| unix  | 3      | [ ]   | STREAM | CONNECTED | 22600  |                              |
| unix  | 3      | [ ]   | STREAM | CONNECTED | 32625  |                              |


```