

Practical 1

GVNREE003

```
reesen@raspberrypi: ~  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Sun Jul 28 22:29:02 2019 from 192.168.137.1  
reesen@raspberrypi:~$ mkdir  
mkdir: missing operand  
Try 'mkdir --help' for more information.  
reesen@raspberrypi:~$ mkdir GVNREE003  
reesen@raspberrypi:~$ ls  
GVNREE003 mypracs PracSource  
reesen@raspberrypi:~$ ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 192.168.137.15 netmask 255.255.255.0 broadcast 192.168.137.255  
    inet6 fe80::ba27:ebff:fe46:d813 prefixlen 64 scopeid 0x20<link>  
    ether b8:27:eb:46:d8:13 txqueuelen 1000 (Ethernet)  
    RX packets 796 bytes 98337 (96.0 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 426 bytes 41285 (40.3 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 73 bytes 6956 (6.7 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 73 bytes 6956 (6.7 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
wlan0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500  
    ether b8:27:eb:13:8d:46 txqueuelen 1000 (Ethernet)  
    RX packets 0 bytes 0 (0.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 0 bytes 0 (0.0 B)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Figure 1: Output after running the \$ ls command

```
reesen@DESKTOP-86NBBR0 MINGW64 ~ (master)  
$ ssh reesen@192.168.137.15  
The authenticity of host '192.168.137.15 (192.168.137.15)' can't be established.  
ECDSA key fingerprint is SHA256:RaBjzCzT5Eo9c1sNEWuP3Agd09pfqE+94VD0FPSL4M.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '192.168.137.15' (ECDSA) to the list of known hosts.  
reesen@192.168.137.15's password:  
Linux raspberrypi 4.19.57-v7+ #1244 SMP Thu Jul 4 18:45:25 BST 2019 armv7l  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Sun Jul 28 22:29:02 2019 from 192.168.137.1  
reesen@raspberrypi:~$ mkdir  
mkdir: missing operand  
Try 'mkdir --help' for more information.  
reesen@raspberrypi:~$ mkdir GVNREE003  
reesen@raspberrypi:~$ ls  
GVNREE003 mypracs PracSource  
reesen@raspberrypi:~$
```

Figure 2: Output after running the \$ ifconfig command

```
reesen@raspberrypi: ~  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
inet 127.0.0.1 netmask 255.0.0.0  
inet6 ::1 prefixlen 128 scopeid 0x10<host>  
loop txqueuelen 1000 (Local Loopback)  
RX packets 73 bytes 6956 (6.7 KiB)  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 73 bytes 6956 (6.7 KiB)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
wlan0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500  
ether b8:27:eb:13:8d:46 txqueuelen 1000 (Ethernet)  
RX packets 0 bytes 0 (0.0 B)  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 0 bytes 0 (0.0 B)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
reesen@raspberrypi:~$ lscpu  
Architecture: armv7l  
Byte Order: Little Endian  
CPU(s): 4  
On-line CPU(s) list: 0-3  
Thread(s) per core: 1  
Core(s) per socket: 4  
Socket(s): 1  
Vendor ID: ARM  
Model: 4  
Model name: Cortex-A53  
Stepping: r0p4  
CPU max MHz: 1400.0000  
CPU min MHz: 600.0000  
BogoMIPS: 38.40  
Flags: half thumb fastmult vfp edsp neon vfpv3 tls vfpv4 idiva idivt vfpd32 lpae evtstrm crc
```

Figure 3: Output after running the \$ lscpu command

GitHub repository: <https://github.com/Reesen552/EEE3096S>