

EEE3096S Practical 1 - Git, Bash, GPIO

Ronak Mehta (MHTRON001)

2nd August 2019

1 Terminal task

```
ronak@raspberrypi:/home/pi $  
ronak@raspberrypi:/home/pi $ ls  
Desktop    Downloads  MHTRON001  new        Public     Videos  
Documents  MagPi      Music      Pictures    Templates  
ronak@raspberrypi:/home/pi $
```

Figure 1: ls command screenshot

```
ronak@raspberrypi:/home/pi $ 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:fe3f:441c  prefixlen 64  scopeid 0x20<link>  
    ether b8:27:eb:3f:44:1c  txqueuelen 1000  (Ethernet)  
    RX packets 23204  bytes 17984359 (17.1 MiB)  
    RX errors 0  dropped 0  overruns 0  frame 0  
    TX packets 24626  bytes 8231897 (7.8 MiB)  
    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 17  bytes 1004 (1004.0 B)  
    RX errors 0  dropped 0  overruns 0  frame 0
```

Figure 2: ifconfig command screenshot

```
ronak@raspberrypi:/home/pi $ 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
Model:               4
Model name:          ARMv7 Processor rev 4 (v7l)
CPU max MHz:         1400.0000
CPU min MHz:         600.0000
BogoMIPS:            38.40
Flags:               half thumb fastmult vfp edsp neon vfpv3 tls vfpv4 idiva i
divt vfpd32 lpae evtstrm crc32
ronak@raspberrypi:/home/pi $
```

Figure 3: lscpu command screenshot

2 Programming task

This is the link to my Github account: [Ronak's Github account](#)

This is the direct link to my code on Github: [My Code](#)