EEE3096S

Embedded Systems II

Practical 1
Git, Bash, GPIO

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TRBMAT002

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Git Repository

https://github.com/MattTerb/EEE3096S-practicals

Terminal Task

```
          RX errors 0  dropped 0  overruns 0  frame 0
          TX packets 219  bytes 43048 (42.0 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 4  bytes 240 (240.0 B)
          RX errors 0  dropped 0  overruns 0  frame 0
          TX packets 4  bytes 240 (240.0 B)
          TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

wlan0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
          inet 192.168.88.206  netmask 255.255.255.0  broadcast 192.168.88.255
          inet6 fe80::1183:ae56:cb5c:920c  prefixlen 64  scopeid 0x20<link>
          ether b8:27:eb:25:4f:8f  txqueuelen 1000  (Ethernet)
          RX packets 1644  bytes 194228 (189.6 KiB)
          RX errors 0  dropped 0  overruns 0  frame 0
          TX packets 52  bytes 6999 (6.8 KiB)
          TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[matthew@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 crc32
matthew@raspberrypi:~ $
```