

## EEE3096 Tutorial 1

PGRSAM001

BRDJAK002

Terminal task:

```
pi@raspberrypi:~ $ mkdir PGRSAM001
pi@raspberrypi:~ $ ls
PGRSAM001
pi@raspberrypi:~ $
```

```
pi@raspberrypi:~ $ ifconfig
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 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

wlan0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.0.107 netmask 255.255.255.0 broadcast 192.168.0.255
    inet6 fe80::2d4a:26c2:66cd:1cc6 prefixlen 64 scopeid 0x20<link>
    ether b8:27:eb:74:4c:47 txqueuelen 1000 (Ethernet)
    RX packets 635 bytes 71948 (70.2 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 162 bytes 25577 (24.9 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
pi@raspberrypi:~ $ lscpu
Architecture:        armv6l
Byte Order:          Little Endian
CPU(s):              1
On-line CPU(s) list: 0
Thread(s) per core: 1
Core(s) per socket: 1
Socket(s):           1
Vendor ID:           ARM
Model:               7
Model name:          ARM1176
Stepping:            r0p7
CPU max MHz:         1000.0000
CPU min MHz:         700.0000
BogoMIPS:            697.95
Flags:               half thumb fastmult vfp edsp java tls
```

```
pi@raspberrypi:~ $ vcgencmd measure_temp
temp=24.5'C
```

Git:

1. Git is a version control system. It tracks changes made and these records can be used to revert back to a previous version if an error has occurred. Git also makes collaboration in projects much easier.
2.
  - a. Git init
  - b. Git remote add <https://github.com/fake/link.git>
  - c. Git commit
  - d. Git push
3.
  - a. A file that has not been staged
  - b. A staged file is a file that is prepared for a commit and allows you to continue making changes in the working directory.
  - c. A committed file is a file that has been saved to the repository.

Link to github repository

<https://github.com/spogrund/EEE3096-Tut1.git>

Coding:

```
# include <stdio.h>
```

```
int main(){
```

```
    int a, b, sum;
```

```
    printf("Enter a value for a: ");
```

```
    scanf("%d", &a);
```

```
    printf("Enter a value for b: ");
```

```
    scanf("%d", &b);
```

```
    sum = a + b;
```

```
    printf("The sum of a and b is %d \n.",sum);
```

