

EEE3096S Tutorial 1 – LBSSHA005 & CHTDIV004

Terminal Task:

```
passwd: password updated successfully
pi@raspberrypi:~ $ mkdir LBSSHA005
pi@raspberrypi:~ $ ls
LBSSHA005
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

usb0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 169.254.75.128 netmask 255.255.0.0 broadcast 169.254.255.255
    inet6 fe80::55fc:6cd7:9ab:598d prefixlen 64 scopeid 0x20<link>
    ether aa:ac:a8:04:1e:40 txqueuelen 1000 (Ethernet)
    RX packets 92 bytes 15433 (15.0 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 33 bytes 6611 (6.4 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlan0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.8.128 netmask 255.255.255.0 broadcast 192.168.8.255
    inet6 fe80::fbb3:2333:27a3:9c2 prefixlen 64 scopeid 0x20<link>
    ether b8:27:eb:4d:7a:3b txqueuelen 1000 (Ethernet)
    RX packets 246 bytes 20075 (19.6 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 202 bytes 28296 (27.6 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=32.6'C
pi@raspberrypi:~ $
```

Git questions:

1. Git is primarily used for version control.
2.

```
git commit -m "changes made to changes.txt"
git remote add origin https://github.com/fake/link.git
git push -u origin master
```
3. untracked – the file is not "in" Git
 staged – the file is being tracked and is marked
 for the next commit.
 committed – the changes made to staged files have been
 reflected in the local repo

Programming task:

```
# 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);
}
```

Link to [tutorial 1 files](#) on Github