

EEE3096S

TUT1

BRMKEA001, CLLSTE009

12/08/2021

## Terminal Task

|  |  |
|--|--|
| <pre>pi@raspberrypi:~/Desktop \$ mkdir BRMKEA001 pi@raspberrypi:~/Desktop \$ ls BRMKEA001 pi@raspberrypi:~/Desktop \$ ifconfig lo: flags=73&lt;UP,LOOPBACK,RUNNING&gt; mtu 65536     inet 127.0.0.1 netmask 255.0.0.0     inet6 ::1 prefixlen 128 scopeid 0x10&lt;host&gt;     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&lt;UP,BROADCAST,RUNNING,MULTICAST&gt; mtu 1500     inet 192.168.3.46 netmask 255.255.255.0 broadcast 192.168.3.255     inet6 fe80::b10e:a749:58d:bd0a prefixlen 64 scopeid 0x20&lt;link&gt;     ether b8:27:eb:89:cc:4b txqueuelen 1000 (Ethernet)     RX packets 829 bytes 177604 (173.4 KiB)     RX errors 0 dropped 0 overruns 0 frame 0     TX packets 164 bytes 25555 (24.9 KiB)     TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  pi@raspberrypi:~/Desktop \$ 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:~/Desktop \$ vcgencmd measure_temp temp=31.5'C pi@raspberrypi:~/Desktop \$</pre> | <pre>pi@raspberrypi:~ \$ mkdir CLLSTE009 pi@raspberrypi:~ \$ ls CLLSTE009 pi@raspberrypi:~ \$ ifconfig lo: flags=73&lt;UP,LOOPBACK,RUNNING&gt; mtu 65536     inet 127.0.0.1 netmask 255.0.0.0     inet6 ::1 prefixlen 128 scopeid 0x10&lt;host&gt;     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&lt;UP,BROADCAST,RUNNING,MULTICAST&gt; mtu 1500     inet 192.168.101.159 netmask 255.255.255.0 broadcast 192.168.101.255     inet6 fe80::bd2f:e009:8fb5:3171 prefixlen 64 scopeid 0x20&lt;link&gt;     ether b8:27:eb:2f:d8:ff txqueuelen 1000 (Ethernet)     RX packets 158 bytes 16064 (15.6 KiB)     RX errors 0 dropped 0 overruns 0 frame 0     TX packets 110 bytes 17202 (16.7 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=25.0'C pi@raspberrypi:~ \$</pre> |
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## Git questions

1. What is the purpose of using Git?

Git handles version control. This allows files to be backed up, changes to be undone, redone and merged in. Changes are tracked and everything is online, allowing files to be accessed anywhere.

2. List the four commands you would use to commit the file 'changes.txt' (assuming the file has been changed since the last commit) to Git and push it to the GitHub repository <https://github.com/fake/link.git>

```
git add changes.txt
git commit -m "Updated changes.txt"
git push
```

3. What does it mean for a file to be: (a) untracked (b) staged (c) committed

For a file to be untracked means that git sees a file that was not present in a previous commit.

Staging is where files are ready to be committed, but changes are still able to be made.

Committed is a snapshot of the files currently.

## Repo

[Here \(https://github.com/KealymB/EEE3096/tree/main/TUTS/T1\)](https://github.com/KealymB/EEE3096/tree/main/TUTS/T1) is the repo used for tutorial 1. It contains the main.c, main.exe, tut sheet as well as word document and pdf of this report.