

EEE3096S Tutorial 1

Terminal Task:

```

theodorepsillos — pi@papaspi: ~ — ssh pi@192.168.0.126 — 117x32
pi@papaspi:~ $ vcgencmd measure_temp
temp=29.3'C
pi@papaspi:~ $
pi@papaspi:~ $
pi@papaspi:~ $
pi@papaspi:~ $
pi@papaspi:~ $
pi@papaspi:~ $
pi@papaspi:~ $
pi@papaspi:~ $
pi@papaspi:~ $
pi@papaspi:~ $ ls
PSLTHE001
pi@papaspi:~ $ 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@papaspi:~ $ vcgencmd measure_temp
temp=29.3'C
pi@papaspi:~ $

```

1. What is the purpose of Git?

Git is an open-source version control. Git allows for tracking of changes to any project. Git allows you to revert to older versions of the project if needed. Git allows for collaboration on the project allowing multiple users to make changes to their portion of the larger project. This allows for parallel development on the project. Git can run locally or on online hosts, allowing for offline development. Git allows for branching so current development will not hinder others using the same data that you are manipulating.

2. List the four commands that you would use to commit the file changes.txt

```
git commit -a -m 'made x changes to file'
```

(assuming branch has been switched to master)

```
git merge master
```

```
git remote add origin 'https://github.com/fake/link.git'
```

```
git push -u origin master
```

3. What does it mean for a file to be:

- Untracked are files that have been created within your repo's working directory but have not yet been added to the repository's tracking index by using the git add command.
- A staged file is a file which has been added to gits staging area by using the command git add. Files which have been staged are now tracked. This prepares git to commit these files.

- c. A committed file is a file which changes have been saved to the local repository.

The link to our git repository is attached below and it contains the main.c file with the code that produces the correct output:

<https://github.com/RavoDavo/EEE3096S-tuts-and-pracs>