Week Report 3

Completed work for week 3

- Lab 3
- Notes 1

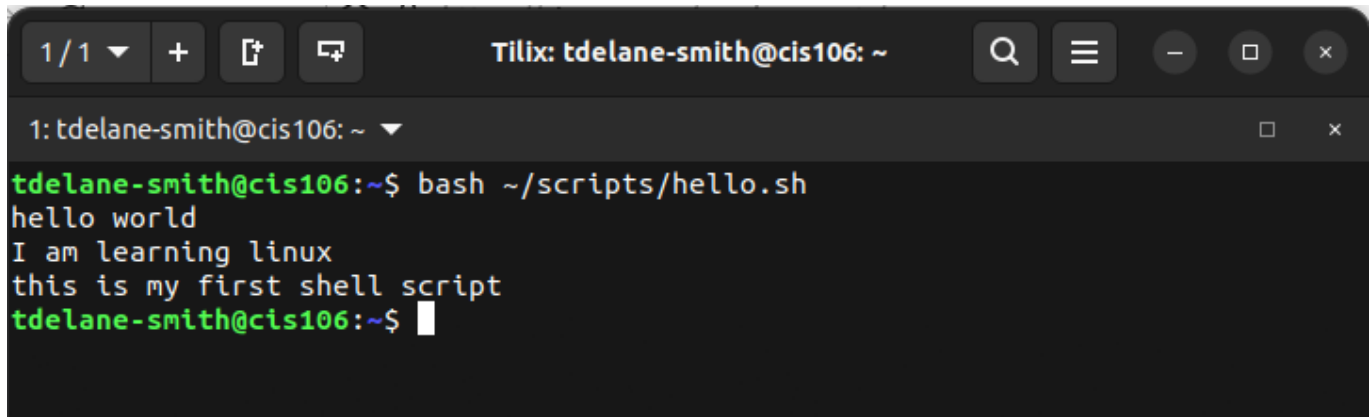## Practice 2: Accessing the bash shell

Practice 3: Using the command history

Practice 4: My first shell script

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1/1 ▼   +    ⬚    ⬚         Tilix: tdelane-smith@cis106: ~        🔍  ☰   —  ▢  ✕

1: tdelane-smith@cis106: ~ ▼                                              ▢   ✕

tdelane-smith@cis106:~$ bash ~/scripts/hello.sh
hello world
I am learning linux
this is my first shell script
tdelane-smith@cis106:~$ █
```

Practice 5: Using man

skipped

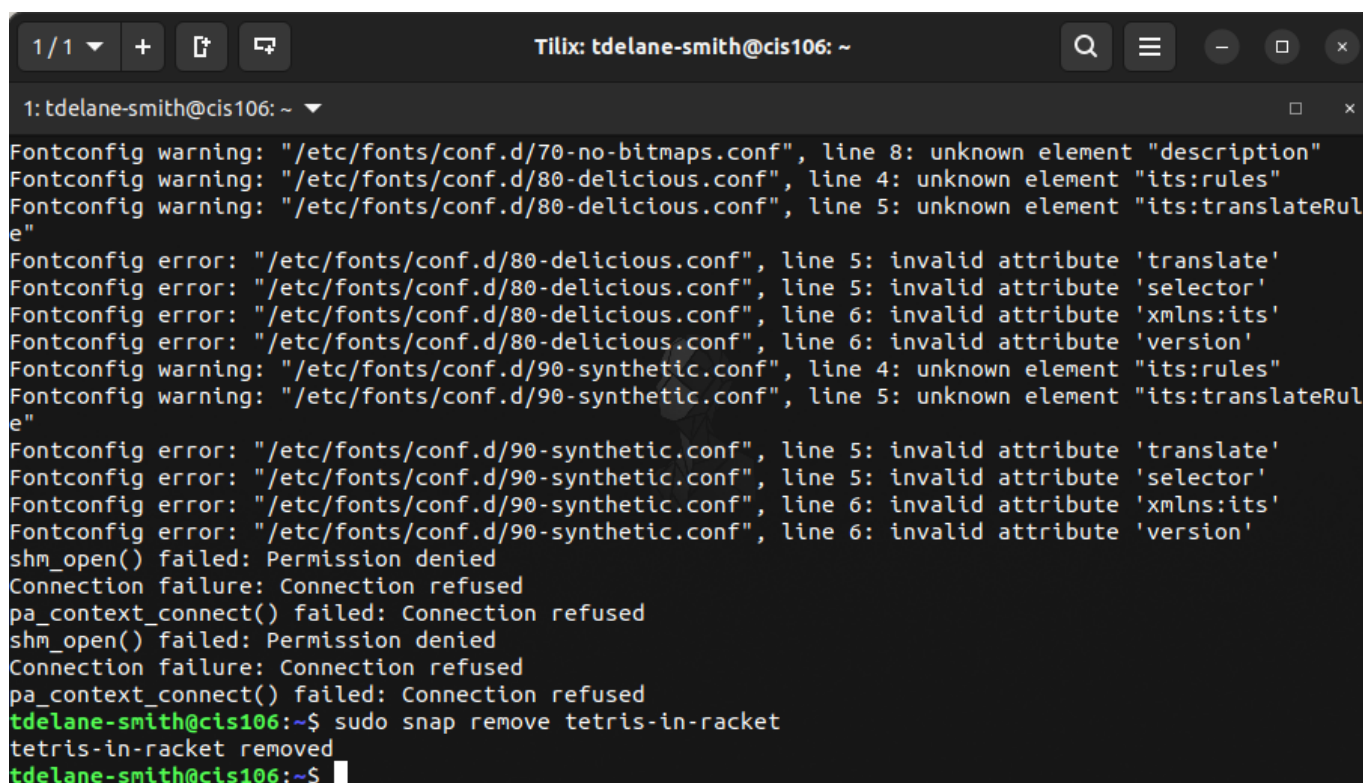## Practice 6: Using help

Practice 6

Practice 7: Using cheat

```
0 upgraded, 0 newly installed, 0 to remove and 34 not upgraded.
tdelane-smith@cis106:~$ pip3 install pygments
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: pygments in /usr/lib/python3/dist-packages (2.11.2)
tdelane-smith@cis106:~$ cheat tar
# To extract an uncompressed archive:
tar -xvf /path/to/foo.tar

# To extract a .tar in specified directory:
tar -xvf /path/to/foo.tar -C /path/to/destination/

# To create an uncompressed archive:
tar -cvf /path/to/foo.tar /path/to/foo/

# To extract a .tgz or .tar.gz archive:
tar -xzvf /path/to/foo.tgz
tar -xzvf /path/to/foo.tar.gz

# To create a .tgz or .tar.gz archive:
tar -czvf /path/to/foo.tgz /path/to/foo/
tar -czvf /path/to/foo.tar.gz /path/to/foo/

# To list the content of an .tgz or .tar.gz archive:
tar -tzvf /path/to/foo.tgz
tar -tzvf /path/to/foo.tar.gz

# To extract a .tar.bz2 archive:
tar -xjvf /path/to/foo.tar.bz2

# To create a .tar.bz2 archive:
tar -cjvf /path/to/foo.tar.bz2 /path/to/foo/

# To list the content of an .tar.bz2 archive:
tar -tjvf /path/to/foo.tar.bz2

# To create a .tgz archive and exclude all jpg,gif,... from the tgz:
tar -czvf /path/to/foo.tgz --exclude=\*.{jpg,gif,png,wmv,flv,tar.gz,zip} /path/to/foo/

# To use parallel (multi-threaded) implementation of compression algorithms:
tar -z ... -> tar -Ipigz ...
tar -j ... -> tar -Ipbzip2 ...
tar -J ... -> tar -Ipixz ...
```

Practice 1: Managing software

Practice 1 mng

Practice 3: Installing and removing snaps

Practice 4: Working wit flatpak

Practice 4 mng

Practice 5: Using Applmage Pool

skip