

Week Report 3

Completed work for week 3

- [Lab 3](#)
- [Notes 1](#)

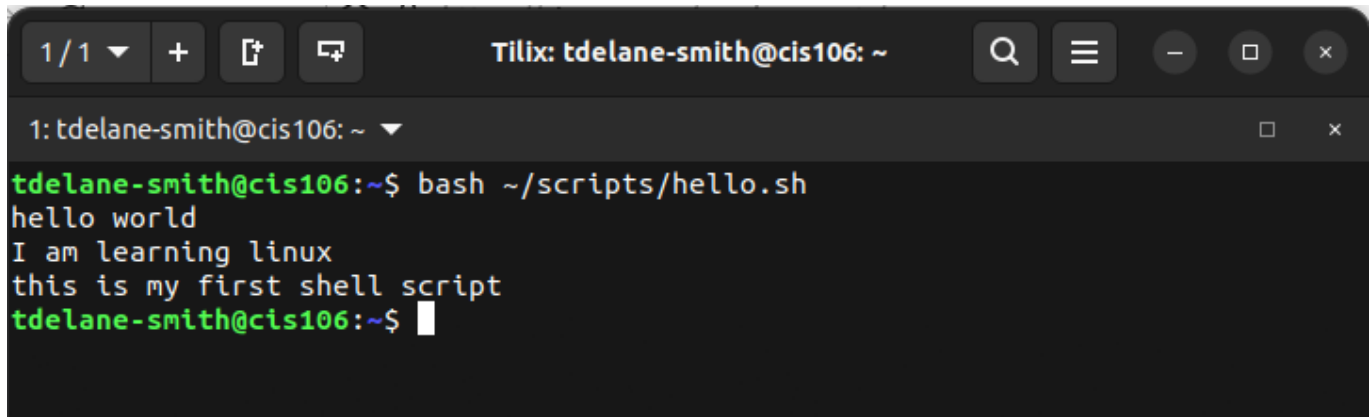
Practice 2: Accessing the bash shell

```
Tilix: tdelane-smith@cis106: ~  
1: tdelane-smith@cis106: ~  
tdelane-smith@cis106:~$ bash --version  
GNU bash, version 5.1.16(1)-release (x86_64-pc-linux-gnu)  
Copyright (C) 2020 Free Software Foundation, Inc.  
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>  
  
This is free software; you are free to change and redistribute it.  
There is NO WARRANTY, to the extent permitted by law.  
tdelane-smith@cis106:~$
```

Practice 3: Using the command history

```
Tilix: tdelane-smith@cis106: ~  
1: tdelane-smith@cis106: ~  
71 bash ~/cis106/labs/lab3/challenge_lab3.sh  
72 is Downloads/game.exe  
73 is documents/: No such file or directory  
74 echo %SYSTEMROOT%~  
75 pwd  
76 cd  
77 cd Downloads  
78 bash --version  
79 date  
80 echo "hello world"  
81 uname -a  
82 history  
tdelane-smith@cis106:~$ !80  
echo "hello world"  
hello world  
tdelane-smith@cis106:~$ !!  
echo "hello world"  
hello world  
tdelane-smith@cis106:~$ echo "hello"  
hello  
tdelane-smith@cis106:~$ !!world  
echo "hello"world  
helloworld  
tdelane-smith@cis106:~$
```

Practice 4: My first shell script

A terminal window titled 'Tilix: tdelane-smith@cis106: ~'. The prompt is '1: tdelane-smith@cis106: ~'. The user enters 'bash ~/scripts/hello.sh'. The script outputs 'hello world', 'I am learning linux', and 'this is my first shell script'. The prompt returns to '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



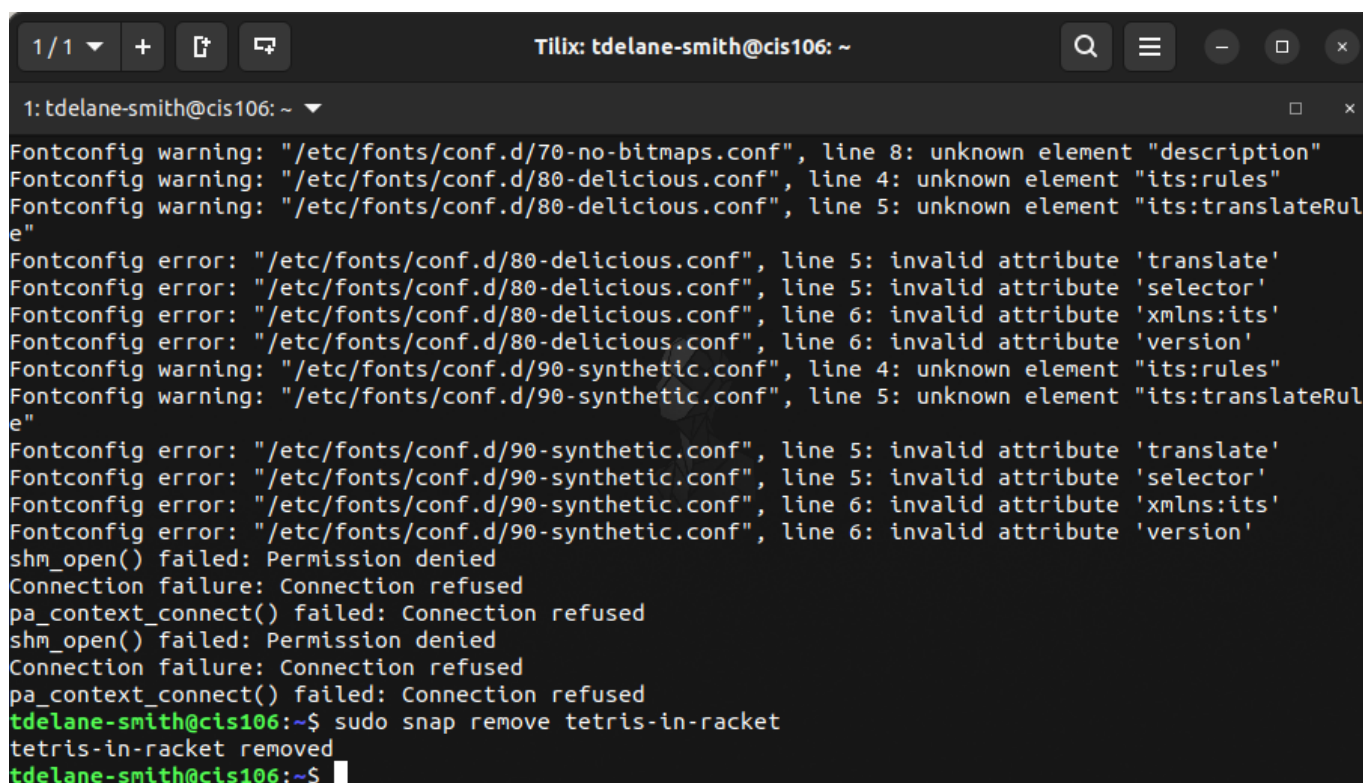
Practice 7: Using cheat

```
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 -Ipxz ...
```

Practice 1: Managing software



Practice 3: Installing and removing snaps



```
Tilix: tdelane-smith@cis106: ~  
1: tdelane-smith@cis106: ~  
Fontconfig warning: "/etc/fonts/conf.d/70-no-bitmaps.conf", line 8: unknown element "description"  
Fontconfig warning: "/etc/fonts/conf.d/80-delicious.conf", line 4: unknown element "its:rules"  
Fontconfig warning: "/etc/fonts/conf.d/80-delicious.conf", line 5: unknown element "its:translateRule"  
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 5: invalid attribute 'translate'  
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 5: invalid attribute 'selector'  
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 6: invalid attribute 'xmlns:its'  
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 6: invalid attribute 'version'  
Fontconfig warning: "/etc/fonts/conf.d/90-synthetic.conf", line 4: unknown element "its:rules"  
Fontconfig warning: "/etc/fonts/conf.d/90-synthetic.conf", line 5: unknown element "its:translateRule"  
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 5: invalid attribute 'translate'  
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 5: invalid attribute 'selector'  
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 6: invalid attribute 'xmlns:its'  
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 6: invalid attribute 'version'  
shm_open() failed: Permission denied  
Connection failure: Connection refused  
pa_context_connect() failed: Connection refused  
shm_open() failed: Permission denied  
Connection failure: Connection refused  
pa_context_connect() failed: Connection refused  
tdelane-smith@cis106:~$ sudo snap remove tetris-in-racket  
tetris-in-racket removed  
tdelane-smith@cis106:~$
```

Practice 4: Working with flatpak

 Practice 4 mng

Practice 5: Using ApplImage Pool

skip