Week Report 3

Completed work for week 3

- Lab 3
- Notes 1

Practice 2: Accessing the bash shell

```
1:phernandez@cis106:~ \

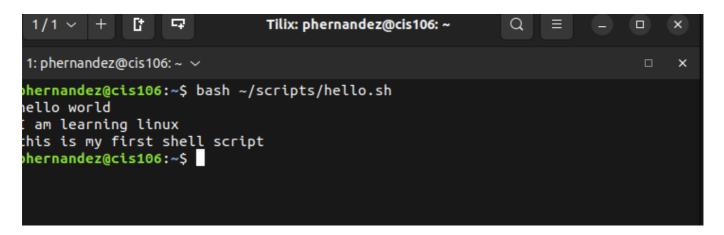
| Ohernandez@cis106:~ \
| Shash --version |
| SNU bash, version |
| S.1.16(1)-release (x86_64-pc-linux-gnu) |
| Sopyright (C) 2020 Free Software Foundation, Inc. |
| Sicense GPLv3+: GNU GPL version 3 or later <a href="http://gnu.org/licenses/gpl.html">http://gnu.org/licenses/gpl.html</a>

This is free software; you are free to change and redistribute it. |
| There is NO WARRANTY, to the extent permitted by law. |
| Shernandez@cis106:~ \
| Shernandez@cis106:
```

Practice 3: Usuing the Command history

```
1: phernandez@cis106: ~ ~
                                                                                  ×
       clear
       bash ~/cis106/labs/lab3/challenge lab3.sh
 122
       git pull
 123
 124
       git add .
       git commit -m "lab 3 finished"
 125
 126
       git push
      bash --version
 127
 128
      clear
 129
      date
      echo "hello world"
 130
 131
      uname -a
 132
      history
ohernandez@cis106:~$ !130
echo "hello world"
nello world
ohernandez@cis106:~$ !!
echo "hello world"
nello world
phernandez@cis106:~$ echo "hello"
nello
ohernandez@cis106:~$ !!world
echo "hello"world
nelloworld
ohernandez@cis106:~$
```

Practice 4: Writing a shell script



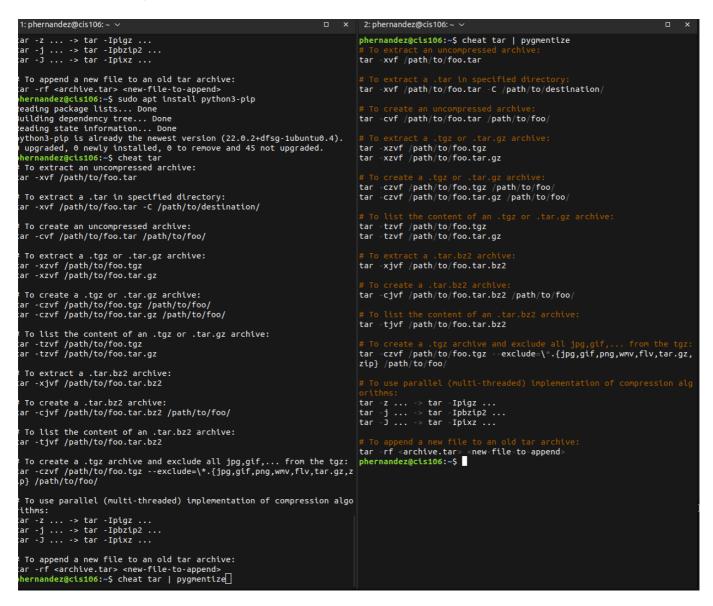
Practice 5: Using man

```
FREE(1)
                                     User Commands
                                                                                    FREE(1)
                                                                                                   phernandez@cis106:~$ uname -s
                                                                                                   Linux
NAME
                                                                                                   phernandez@cis106:~$ uname -n
         free - Display amount of free and used memory in the system
                                                                                                   cis106
                                                                                                   phernandez@cis106:~$ uname -i
SYNOPSIS
                                                                                                   x86_64
         free [options]
                                                                                                   phernandez@cis106:~$ uname -o
                                                                                                   GNU/Linux
                                                                                                   phernandez@cis106:~$ man date
phernandez@cis106:~$ man df
DESCRIPTION
         free displays the total amount of free and used physical and swap memory in the system, as well as the buffers and caches used by the kernel. The information is gathered by parsing /proc/meminfo. The displayed columns are:
                                                                                                  phernandez@cis106:~$ man free
phernandez@cis106:~$ man clear
phernandez@cis106:~$ man history
phernandez@cis106:~$ free -g
total
used
         total Total installed memory (MemTotal and SwapTotal in
                                                                                                                                                            free
                                                                                                                                                                         shared buff/cache
                                                                                                       available
                                                                                                                                                               0
                                                                                                  Mem:
                                                                                                                                              1
                                                                                                                                                                                0
         used
                   Used memory (calculated as total - free - buffers -
                   cache)
                                                                                                                                                               3
                                                                                                   phernandez@cis106:~$
                  Unused memory (MemFree and SwapFree in /proc/meminfo)
         shared Memory used (mostly) by tmpfs (Shmem in /proc/mem-
```

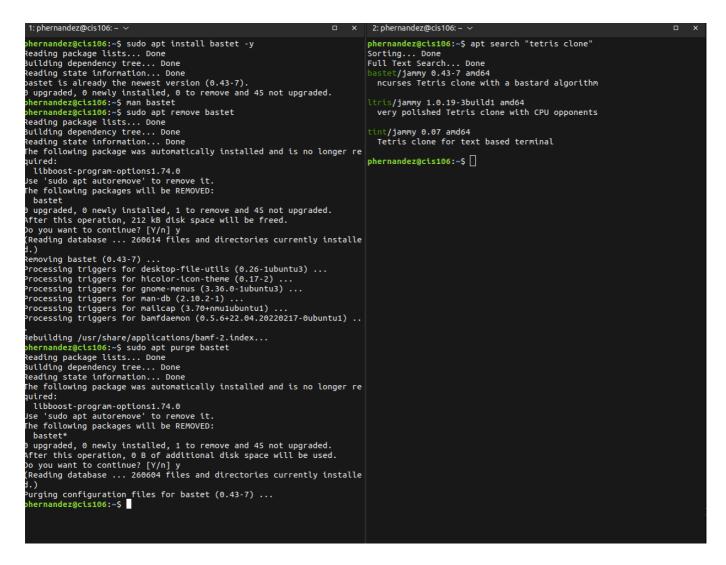
Practice 6: Using help

```
phernandez@cis106:~$ whatis ls
ls (1) - list directory contents
phernandez@cis106:~$ whatis pwd
pwd (1) - print name of current/working directory
phernandez@cis106:~$ whatis apt
apt (8) - command-line interface
phernandez@cis106:~$ whatis sudo
sudo (8) - execute a command as another user
phernandez@cis106:~$
```

Practice 7: Usuing cheat



Practice 1: Managing software



Practice 3: Managing software

```
1:phernandez@cis106:~$ snap search "tetris clone"

Name Version Publisher Notes Summary

tetris-in-racket 1.2-2 brunonova - Tetris clone developed in Racket

vitetris 0.57 bladernr - Console based version of Tetris

fairtris 3.0.0.4 chronoscz - A fair implementation of Classic Tetris® video game.

pmtris 1.0 kz6fittycent - Poor Man's Tetris Clone

ltris-windows 1.2.3 marisag1967 - A free Tetris clone that follows the original rules but adds some extras

phernandez@cis106:~$ sudo snap install tetris-in-racket

tetris-in-racket 1.2-2 from Bruno Nova (brunonova) installed

phernandez@cis106:~$ sudo snap remove tetris-in-racket

tetris-in-racket removed

phernandez@cis106:~$
```