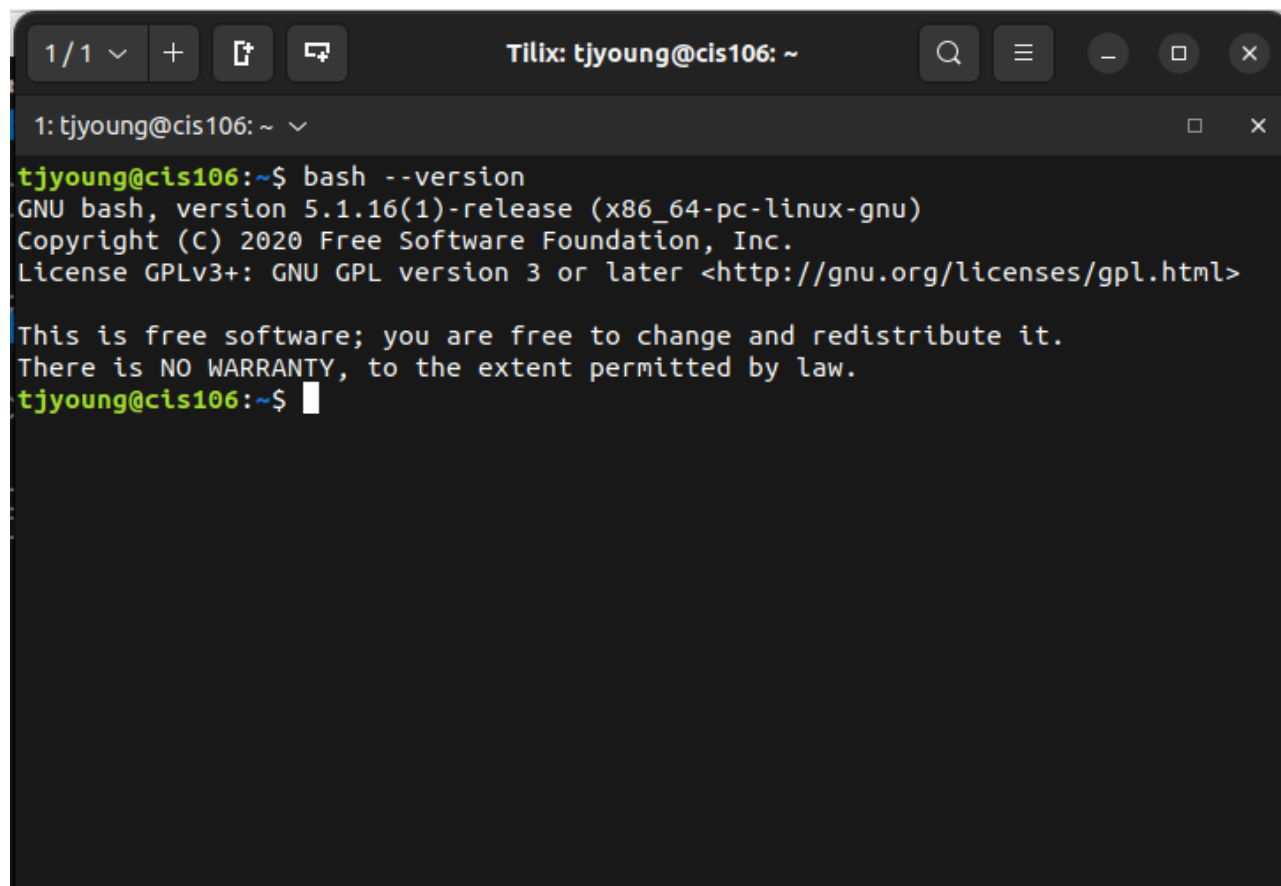


week Report 3

Completed work for week 3

- [lab3](#)
- [notes1](#)

Practice 2: Accessing the bash shell

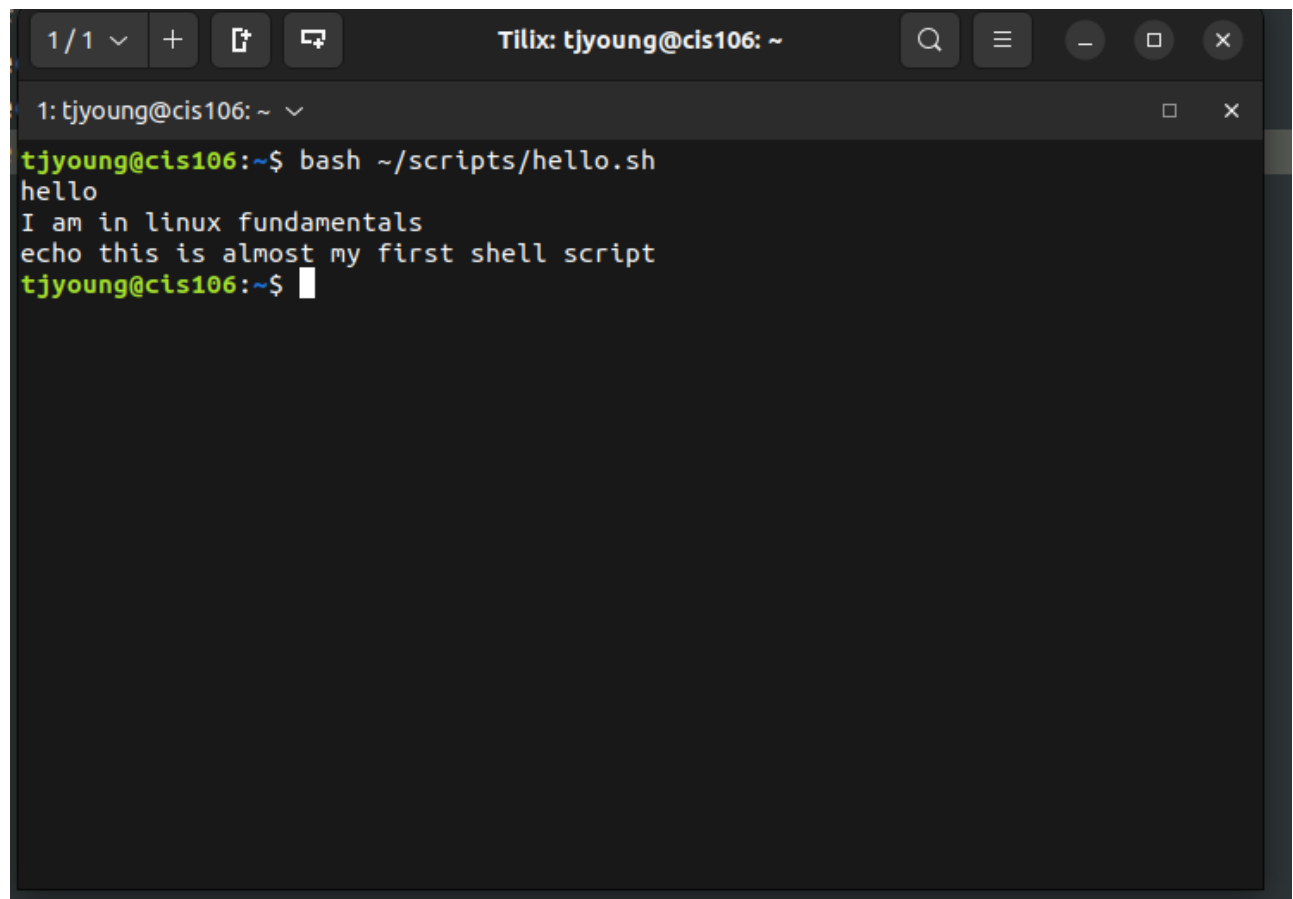


```
Tilix: tjyoung@cis106: ~  
1: tjyoung@cis106: ~  
tjyoung@cis106:~$ bash --version  
GNU bash, version 5.1.16(1)-release (x86_64-pc-linux-gnu)  
Copyright (C) 2020 Free Software Foundation, Inc.  
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>  
  
This is free software;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

Practice 3: Using the command history

```
1/1  +  [ ]  [ ]  Tilix: tjyoung@cis106: ~  [ ]  [ ]  [ ]  [ ]
1: tjyoung@cis106: ~  [ ]  [ ]
59 echo -e "\thello"
60 echo -e "This is line1\nThis is line 2"
61 echo -e "This is line1\ntThis is line 2"
62 echo -e "This is line1\n\tThis is line 2"
63 echo -e "\tThis is line1\n\t\tThis is line 2"
64 bash ~/cis106/labs/lab3/lab3-script1.sh
65 bash~/cis106/labs/lab3/lab3-script1.sh
66 bash
67 bash ~/cis106/labs/lab3/lab3-script1.sh
68 clear
69 bash ~/cis106/labs/lab3/lab3-script1.sh
70 bash ~/cis106/labs/lab3/lab3-script1. sh
71 bash ~/cis106/labs/lab3/lab3-script1.sh
72 10 bash ~/cis106/labs/lab3/lab3-script1.sh
73 bash ~/cis106/labs/lab3/lab3-script1.sh
74 10 bash ~/cis106/labs/lab3/lab3-script1.sh
75 bash ~/cis106/labs/lab3/lab3-script1.sh
76 CLEAR
77 clear
78 bash ~/cis106/labs/lab3/lab3-script1.sh
79 clear
80 bash ~/cis106/labs/lab3/lab3-script1.sh
81 clear
82 man echo
83 bash --version
84 date
85 echo "hello world"
86 uname -a
87 history
tjyoung@cis106:~$ !#
tjyoung@cis106:~$ echo "hello world"
hello world
tjyoung@cis106:~$ echo "hello"
hello
tjyoung@cis106:~$ !!world
echo "hello"world
helloworld
tjyoung@cis106:~$ !85
echo "hello world"
hello world
tjyoung@cis106:~$ !!
echo "hello world"
hello world
tjyoung@cis106:~$
```


Practice 4: My first shell script



The screenshot shows a terminal window titled "Tilix: tjyoung@cis106: ~". The terminal displays the following text:

```
1: tjyoung@cis106: ~  
tjyoung@cis106:~$ bash ~/scripts/hello.sh  
hello  
I am in linux fundamentals  
echo this is almost my first shell script  
tjyoung@cis106:~$
```

Practice 5: Using man

practice5

Practice 6: using help option

practice6

Practice 7: cheat

practice7

Practice 1: Managing software

```

tjyoung@cis106:~$ sudo apt search "tetris clone"
Sorting... Done
Full Text Search... Done
bastet/jammy 0.43-7 amd64
  ncurses Tetris clone with a bastard algorithm

ltris/jammy 1.0.19-3build1 amd64
  very polished Tetris clone with CPU opponents

tint/jammy 0.07 amd64
  Tetris clone for text based terminal

tjyoung@cis106:~$ apt install bastet -y
E: Could not open lock file /var/lib/dpkg/lock-frontent - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?
tjyoung@cis106:~$ sudo apt install bastet -y
E: dpkg was interrupted, you must manually run 'sudo dpkg --configure -a' to correct the problem.
tjyoung@cis106:~$ man bastet
No manual entry for bastet
tjyoung@cis106:~$ bastet
Command 'bastet' not found, but can be installed with:
sudo apt install bastet
tjyoung@cis106:~$ sudo apt remove bastet
E: dpkg was interrupted, you must manually run 'sudo dpkg --configure -a' to correct the problem.
tjyoung@cis106:~$ sudo apt purge bastet
E: dpkg was interrupted, you must manually run 'sudo dpkg --configure -a' to correct the problem.
tjyoung@cis106:~$

tjyoung@cis106:~$ apt search "tetris clone"
Sorting... Done
Full Text Search... Done
bastet/jammy 0.43-7 amd64
  ncurses Tetris clone with a bastard algorithm

ltris/jammy 1.0.19-3build1 amd64
  very polished Tetris clone with CPU opponents

tint/jammy 0.07 amd64
  Tetris clone for text based terminal

tjyoung@cis106:~$

```

Practice 3: Managing software

