

Week Report 3

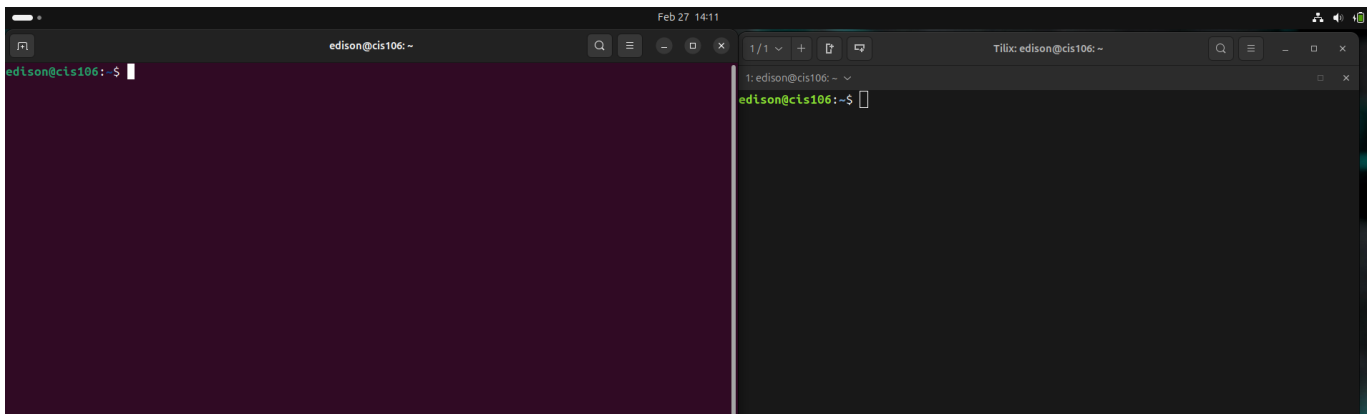
Completed work for week 3

- [Lab3](#)
- [Notes3](#)
- [Managing Software Cheat Sheet](#)
- [What is a Shell?](#)
- [Managing Software](#)

Practice

A bulleted list of the following URLs:

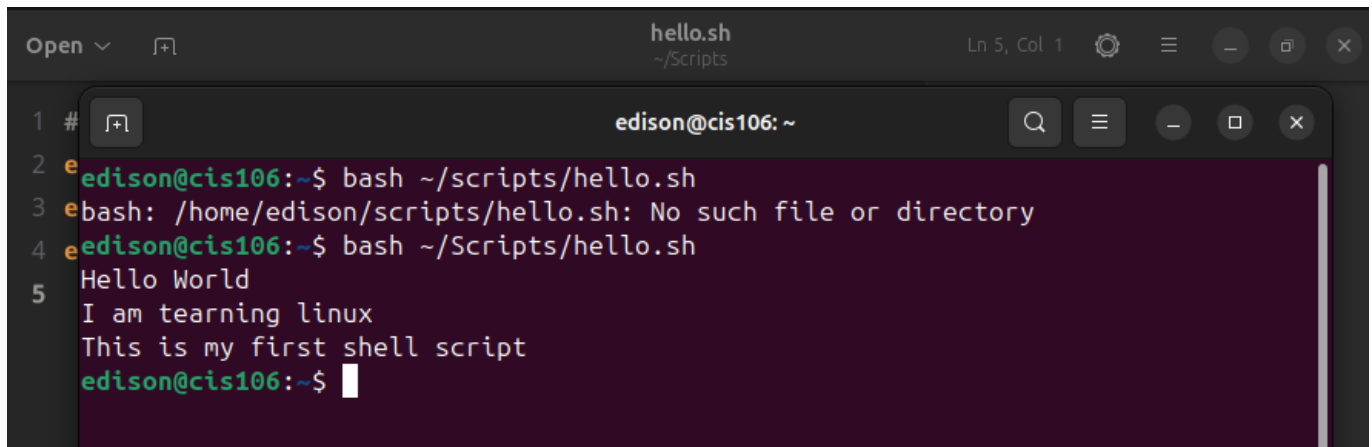
Practice 1



Practice 2

```
edison@cis106: ~  
edison@cis106:~$ bash --version  
GNU bash, version 5.2.21(1)-release (x86_64-pc-linux-gnu)  
Copyright (C) 2022 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.  
edison@cis106:~$
```

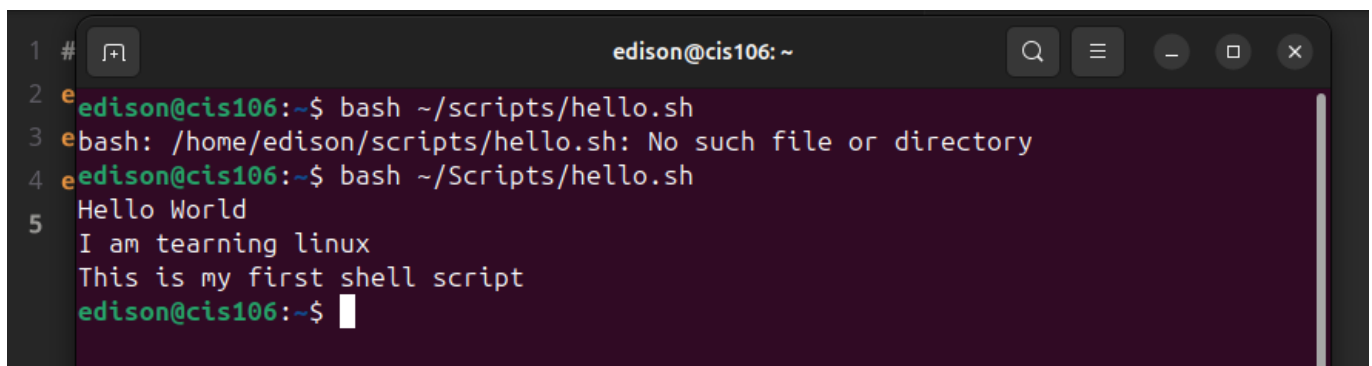
Practice 3



```
Open  hello.sh  Ln 5, Col 1
~/Scripts

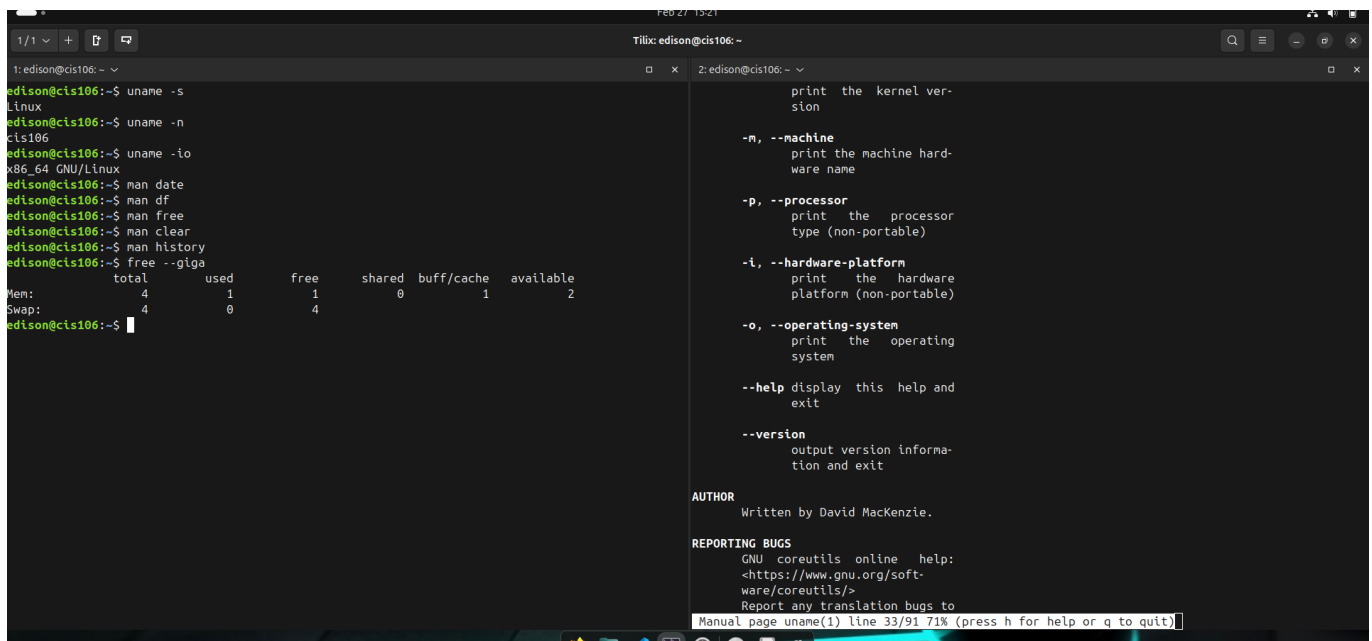
1 #
2 e edison@cis106:~$ bash ~/scripts/hello.sh
3 e bash: /home/edison/scripts/hello.sh: No such file or directory
4 e edison@cis106:~$ bash ~/Scripts/hello.sh
5 Hello World
   I am tearning linux
   This is my first shell script
   edison@cis106:~$
```

Practice 4



```
1 #
2 e edison@cis106:~$ bash ~/scripts/hello.sh
3 e bash: /home/edison/scripts/hello.sh: No such file or directory
4 e edison@cis106:~$ bash ~/Scripts/hello.sh
5 Hello World
   I am tearning linux
   This is my first shell script
   edison@cis106:~$
```

Practice 5



```
1: edison@cis106: ~
2: edison@cis106: ~

edison@cis106:~$ uname -s
Linux
edison@cis106:~$ uname -n
cis106
edison@cis106:~$ uname -io
x86_64 GNU/Linux
edison@cis106:~$ man date
edison@cis106:~$ man df
edison@cis106:~$ man free
edison@cis106:~$ man clear
edison@cis106:~$ man history
edison@cis106:~$ free --giga
total      used      free      shared  buff/cache   available
Mem:        4          1          1          0          1          2
Swap:       4          0          4

edison@cis106:~$
```

print the kernel version

-m, --machine
print the machine hardware name

-p, --processor
print the processor type (non-portable)

-i, --hardware-platform
print the hardware platform (non-portable)

-o, --operating-system
print the operating system

--help display this help and exit

--version
output version information and exit

AUTHOR
Written by David MacKenzie.

REPORTING BUGS
GNU coreutils online help:
<<https://www.gnu.org/software/coreutils/>>
Report any translation bugs to
Manual page uname(1) line 33/91 71% (press h for help or q to quit)

Practice 6

```

Feb 27 15:35
Tilix: edison@cis106: ~

1/1 | + | |
edison@cis106: ~
edison@cis106:~$ free --help

Usage:
free [options]

Options:
-b, --bytes          show output in bytes
--kilo              show output in kilobytes
--mega             show output in megabytes
--giga             show output in gigabytes
--tera            show output in terabytes
--peta            show output in petabytes
-k, --kibi          show output in kibibytes
-m, --mebi          show output in mebibytes
-g, --gibi          show output in gibibytes
--tebi            show output in tebibytes
--pebi            show output in pebibytes
-h, --human         show human-readable output
--si              use powers of 1000 not 1024
-l, --lohi          show detailed low and high memory statistics
-L, --line          show output on a single line
-t, --total         show total for RAM + swap
-v, --committed    show committed memory and commit limit
-s N, --seconds N   repeat printing every N seconds
-c N, --count N     repeat printing N times, then exit
-w, --wide          wide output

--help            display this help and exit
-V, --version      output version information and exit

For more details see free(1).
edison@cis106:~$

-u, --update          force a cache consistency check

--no-subpages         don't try subpages, e.g. 'man foo bar' => 'man
foo-bar'

Controlling formatted output:
-P, --pager=PAGER    use program PAGER to display output
-r, --prompt=STRING   provide the 'less' pager with a prompt

-7, --ascii          display ASCII translation of certain latin1 chars
-E, --encoding=ENCODING use selected output encoding
--no-hyphenation, --nh turn off hyphenation
--no-justification, --nj turn off justification
-p, --preprocessor=STRING STRING indicates which preprocessors to run:
e - [n]eqn, p - pic, t - tbl,
g - grap, r - refer, v - vgrind

-t, --troff          use groff to format pages
-T, --troff-device[=DEVICE] use groff with selected device

-H, --html[=BROWSER] use www-browser or BROWSER to display HTML output
-X, --gxditview[=RESOLUTION] use groff and display through gxditview
(X11):
-X = -TX75, -X100 = -TX100, -X100-12 = -TX100-12
use groff and force it to produce ditroff

-Z, --ditroff

-?, --help          give this help list
--usage            give a short usage message
-V, --version        print program version

Mandatory or optional arguments to long options are also mandatory or optional
for any corresponding short options.

Report bugs to c.j.watson@debian.org.
edison@cis106:~$

```

Practice 7

```

edison@cis106:~$ sudo snap install cheat
[sudo] password for edison:
cheat 4.4.0.build.2 from Michael (bernermic) installed
edison@cis106:~$ cheat apt
A config file was not found. Would you like to create one now? [Y/n]: y
Would you like to download the community cheatsheets? [Y/n]: y
Cloning community cheatsheets to /home/edison/snap/cheat/common/.config/cheat/cheatsheets/c
Enumerating objects: 335, done.
Counting objects: 100% (335/335), done.
Compressing objects: 100% (310/310), done.
Total 335 (delta 43), reused 213 (delta 23), pack-reused 0 (from 0)
Cloning personal cheatsheets to /home/edison/snap/cheat/common/.config/cheat/cheatsheets/pe
Created config file: /home/edison/snap/cheat/common/.config/cheat/conf.yml
Please read this file for advanced configuration information.
edison@cis106:~$ cheat git
# To set your identity:
git config --global user.name <name>
git config --global user.email <email>

# To set your editor:

```