

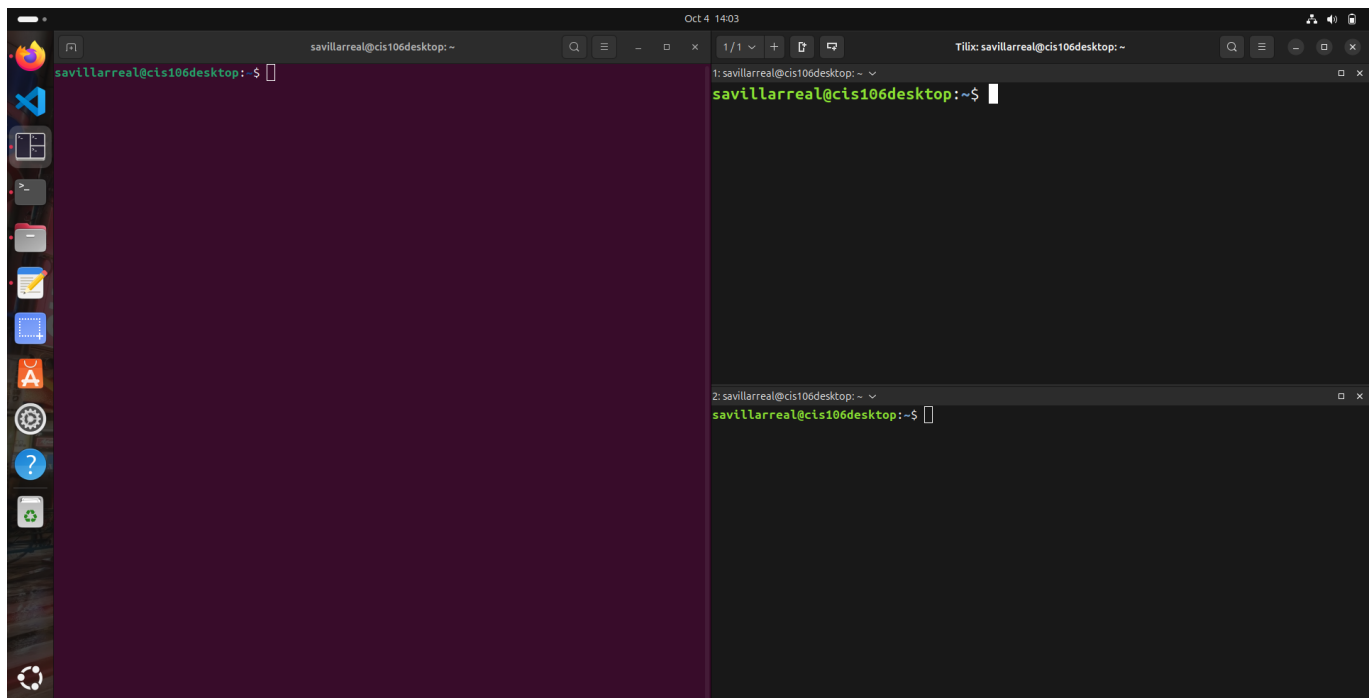
Week Report 3

Completed work for week 3

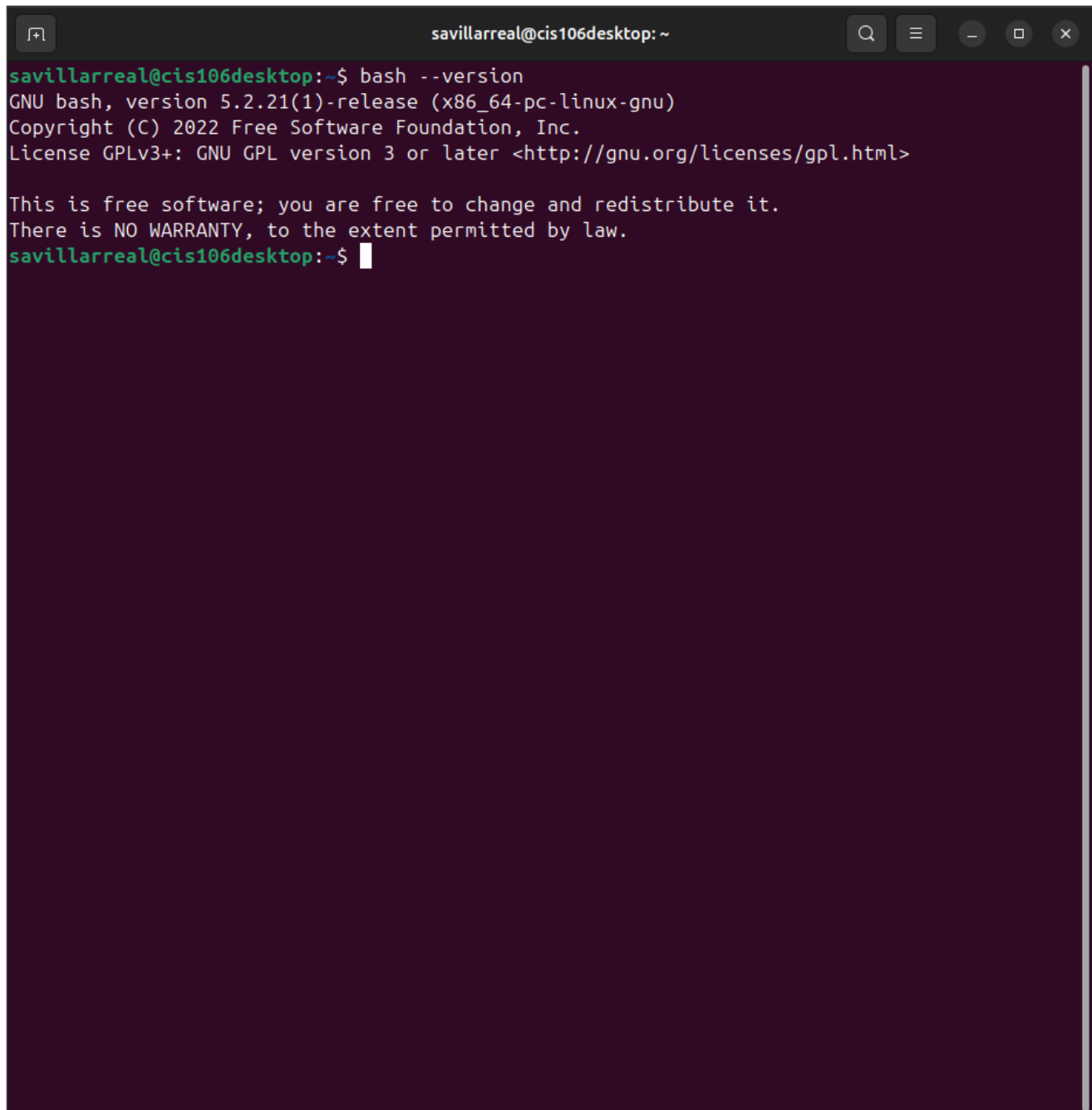
- [Lab3](#)
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Practice

Practice 1



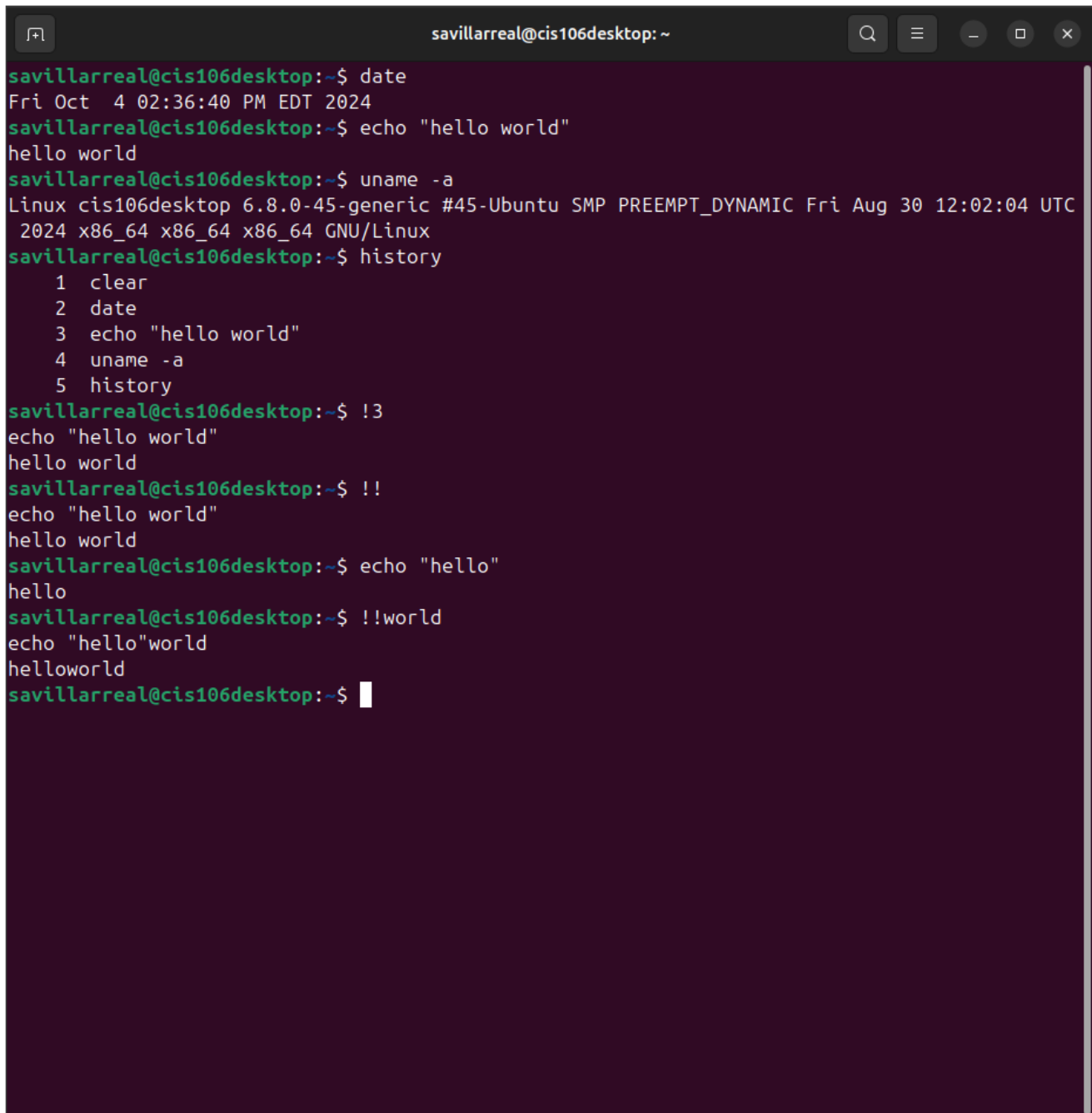
Practice 2

A terminal window with a dark purple background and light green text. The window title is 'savillarreal@cis106desktop: ~'. The terminal shows the command 'bash --version' and its output: '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>', and a disclaimer: 'This is free software; you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law.' The prompt 'savillarreal@cis106desktop:~\$' is followed by a cursor.

```
savillarreal@cis106desktop:~$ 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>

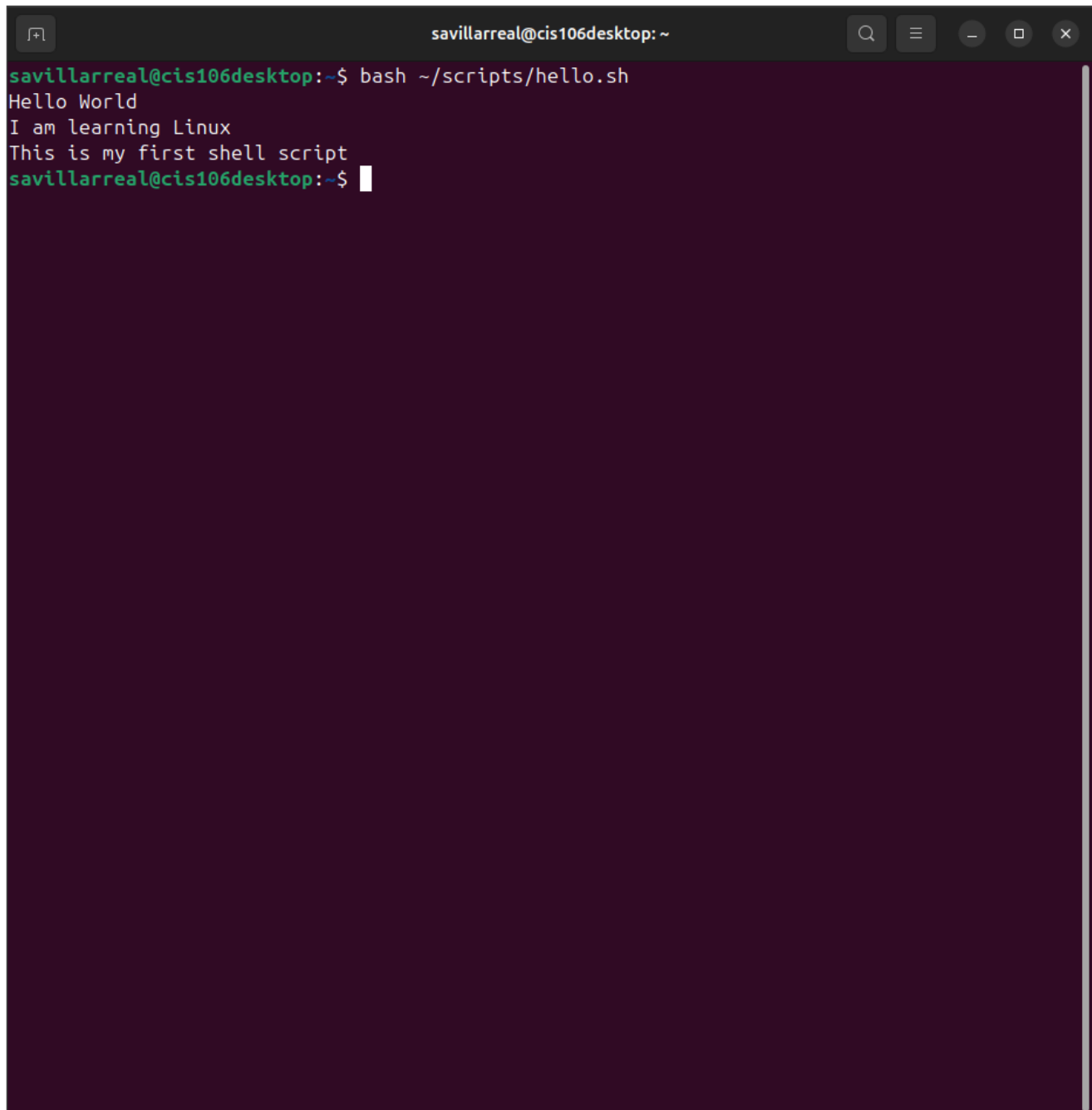
This is free software; you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
savillarreal@cis106desktop:~$
```

Practice 3



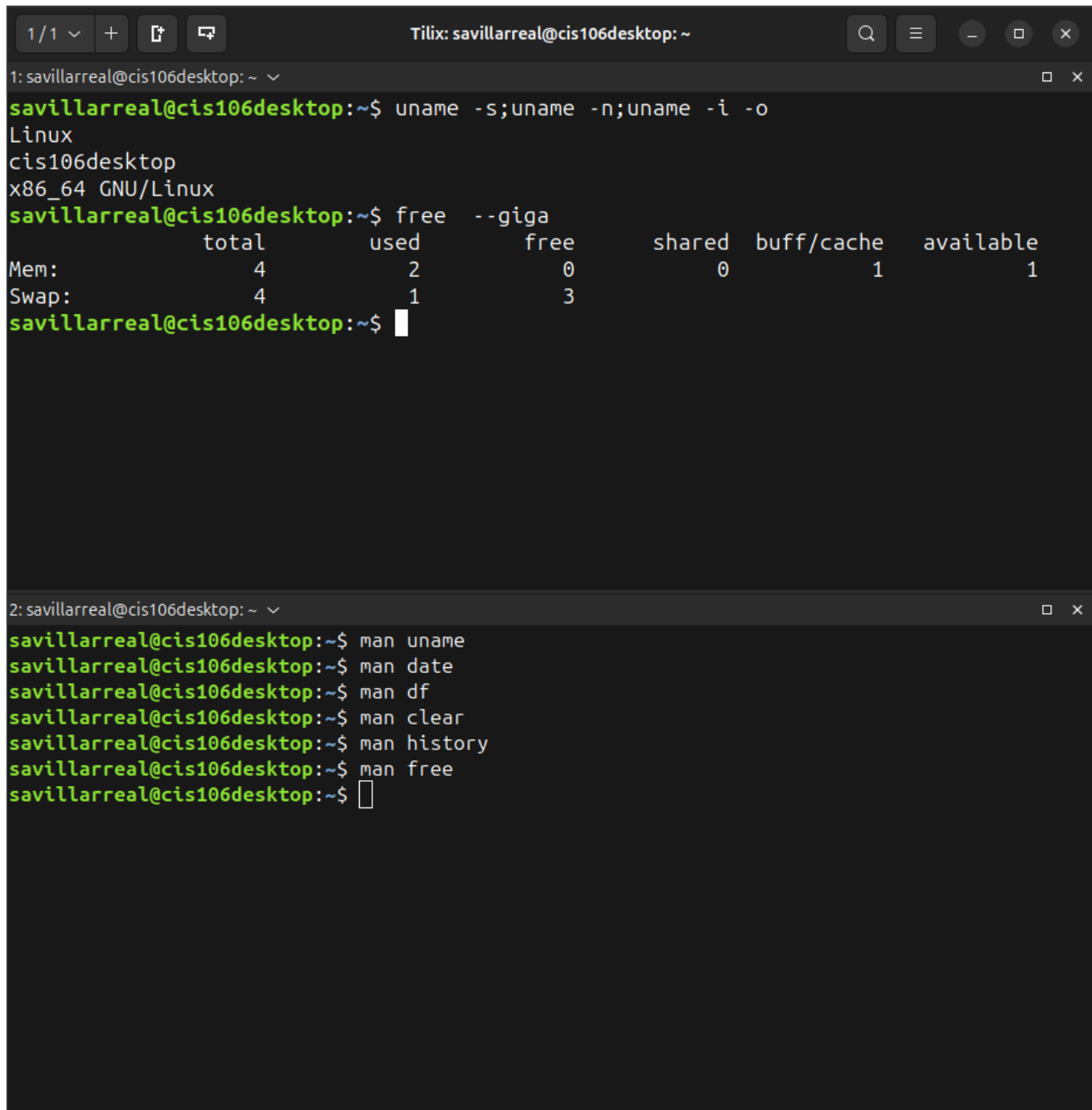
```
savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ date  
Fri Oct  4 02:36:40 PM EDT 2024  
savillarreal@cis106desktop:~$ echo "hello world"  
hello world  
savillarreal@cis106desktop:~$ uname -a  
Linux cis106desktop 6.8.0-45-generic #45-Ubuntu SMP PREEMPT_DYNAMIC Fri Aug 30 12:02:04 UTC  
2024 x86_64 x86_64 x86_64 GNU/Linux  
savillarreal@cis106desktop:~$ history  
  1  clear  
  2  date  
  3  echo "hello world"  
  4  uname -a  
  5  history  
savillarreal@cis106desktop:~$ !3  
echo "hello world"  
hello world  
savillarreal@cis106desktop:~$ !!  
echo "hello world"  
hello world  
savillarreal@cis106desktop:~$ echo "hello"  
hello  
savillarreal@cis106desktop:~$ !!world  
echo "hello"world  
helloworld  
savillarreal@cis106desktop:~$
```

Practice 4

A terminal window titled 'savillarreal@cis106desktop: ~' with standard window controls. The prompt is 'savillarreal@cis106desktop:~\$'. The user enters 'bash ~/scripts/hello.sh'. The script outputs three lines: 'Hello World', 'I am learning Linux', and 'This is my first shell script'. The prompt returns to 'savillarreal@cis106desktop:~\$' with a cursor.

```
savillarreal@cis106desktop:~$ bash ~/scripts/hello.sh
Hello World
I am learning Linux
This is my first shell script
savillarreal@cis106desktop:~$
```

Practice 5



The screenshot shows a terminal window titled "Tilix: savillarreal@cis106desktop: ~". It contains two terminal sessions. The first session shows the output of the command `uname -s;uname -n;uname -i -o` and the output of the command `free --giga`. The second session shows a series of `man` commands being entered.

```
1: savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ uname -s;uname -n;uname -i -o  
Linux  
cis106desktop  
x86_64 GNU/Linux  
savillarreal@cis106desktop:~$ free --giga  
              total        used        free      shared  buff/cache   available  
Mem:           4          2          0           0           1           1  
Swap:          4          1          3  
savillarreal@cis106desktop:~$  
  
2: savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ man uname  
savillarreal@cis106desktop:~$ man date  
savillarreal@cis106desktop:~$ man df  
savillarreal@cis106desktop:~$ man clear  
savillarreal@cis106desktop:~$ man history  
savillarreal@cis106desktop:~$ man free  
savillarreal@cis106desktop:~$
```

Practice 6

```
Tilix: savillarreal@cis106desktop: ~
1: savillarreal@cis106desktop: ~
- (underscore) pad with spaces
0 (zero) pad with zeros
+ pad with zeros, and put '+' before future years with >4 digits
^ use upper case if possible
# use opposite case if possible

After any flags comes an optional field width, as a decimal number;
then an optional modifier, which is either
E to use the locale's alternate representations if available, or
O to use the locale's alternate numeric symbols if available.

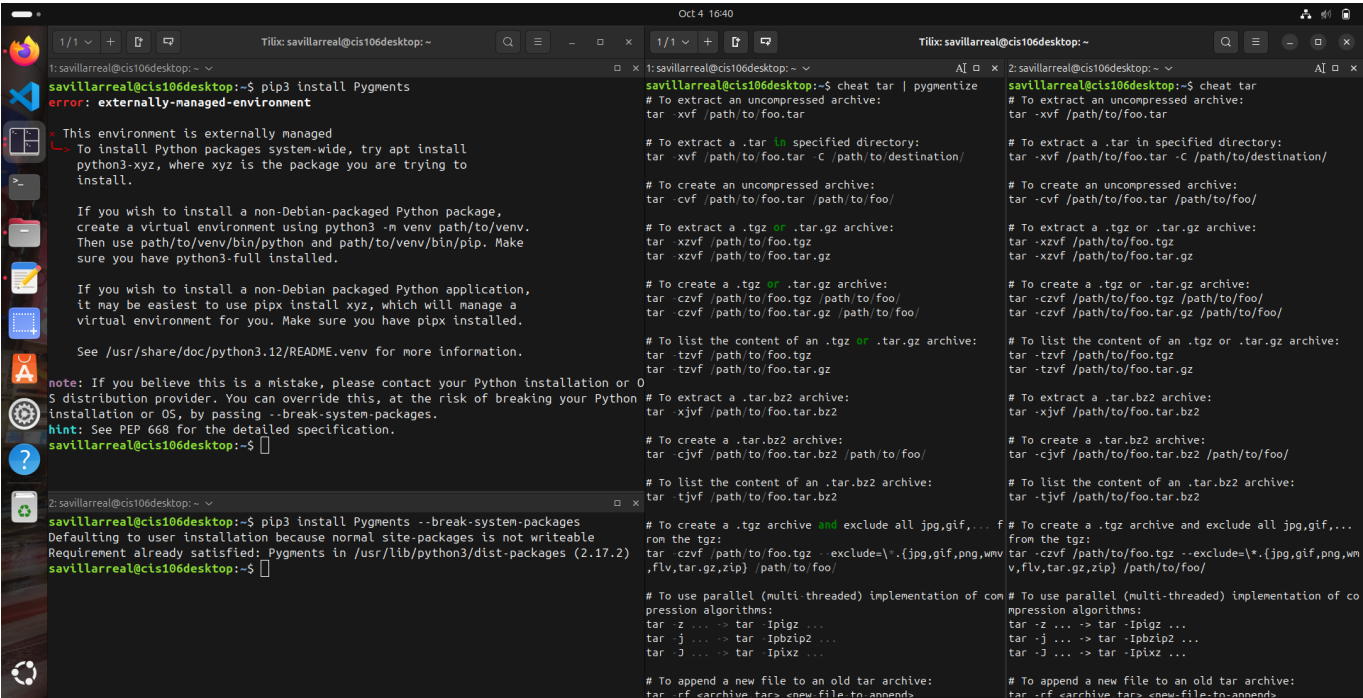
Examples:
Convert seconds since the Epoch (1970-01-01 UTC) to a date
$ date --date='@2147483647'

Show the time on the west coast of the US (use tzselect(1) to find TZ)
$ TZ='America/Los_Angeles' date

Show the local time for 9AM next Friday on the west coast of the US
$ date --date='TZ="America/Los_Angeles" 09:00 next Fri'

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation <https://www.gnu.org/software/coreutils/date>
or available locally via: info '(coreutils) date invocation'
savillarreal@cis106desktop:~$ history
1 clear
2 free --help
3 man --help
4 date --help
5 history
savillarreal@cis106desktop:~$ whatis ls
ls (1) - list directory contents
savillarreal@cis106desktop:~$ whatis pwd
pwd (1) - print name of current/working directory
savillarreal@cis106desktop:~$ whatis apt
apt (8) - command-line interface
savillarreal@cis106desktop:~$ whatis sudo
sudo (8) - execute a command as another user
savillarreal@cis106desktop:~$
```

Practice 7



Practice 1 - Managing Software

```
Tilix: savillarreal@cis106desktop: ~
1: savillarreal@cis106desktop: ~
After this operation, 214 kB disk space will be freed.
(Reading database ... 166603 files and directories currently installed.)
Removing bastet (0.43-7build1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for desktop-file-utils (0.27-2build1) ...
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libboost-program-options1.83.0 libfluidsynth3 libinstpatch-1.0-2 libjack-jackd2-0
  libmikmod3 libopenal-data libopenal1 libsdl-mixer1.2 libsdl1.2debian libsdl2-2.0-0
  libsndio7.0 timgm6mb-soundfont
Use 'sudo apt autoremove' to remove them.
The following packages will be REMOVED:
  bastet*
0 upgraded, 0 newly installed, 1 to remove and 19 not upgraded.
After this operation, 0 B of additional disk space will be used.
(Reading database ... 166593 files and directories currently installed.)
Purging configuration files for bastet (0.43-7build1) ...
savillarreal@cis106desktop:~$ history
 1 clear
 2 sudo apt install bastet
 3 bastet
 4 sudo apt remove bastet -y; sudo apt purge bastet -y
 5 history
savillarreal@cis106desktop:~$

2: savillarreal@cis106desktop: ~
Full Text Search... Done
bastet/noble 0.43-7build1 amd64
  ncurses Tetris clone with a bastard algorithm

ltris/noble 1.2.8-1 amd64
  very polished Tetris clone with CPU opponents

tint/noble 0.07 amd64
  Tetris clone for text based terminal

savillarreal@cis106desktop:~$ man bastet
savillarreal@cis106desktop:~$
```

Practice 3 - Managing Software

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