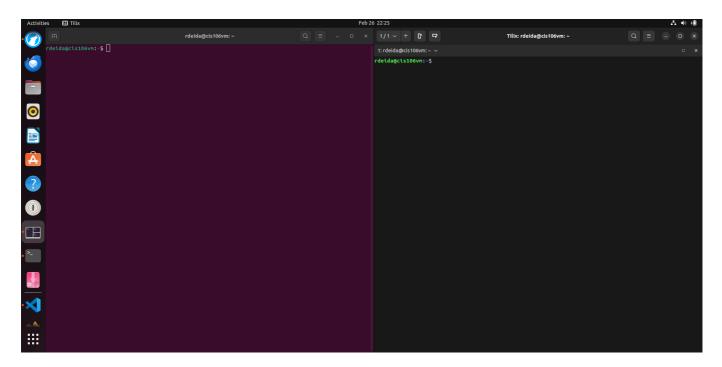
## Week Report 3

### Completed Work for week 3

- https://github.com/Snakie99/cis106/blob/main/labs/lab3/lab3.md
- https://github.com/Snakie99/cis106/blob/main/notes/notes1.md

## Bash

#### Practice 1

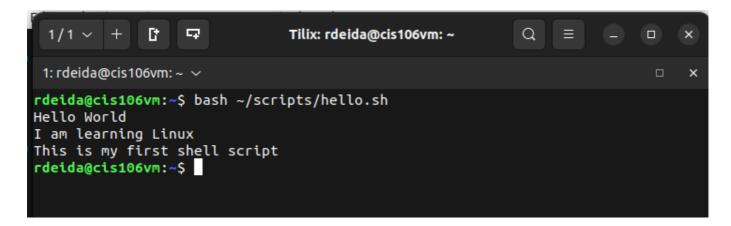




Practice 3



#### Practice 4





Practice 6

```
1/1 ~ +
             D†
1: rdeida@cis106vm: ~ ~
      locale's time representation (e.g., 23:13:48)
      last two digits of year (00..99)
 %y
      year
 %Y
 %z
      +hhmm numeric time zone (e.g., -0400)
 %:z +hh:mm numeric time zone (e.g., -04:00)
 %::z +hh:mm:ss numeric time zone (e.g., -04:00:00)
 %:::z numeric time zone with : to necessary precision (e.g., -04, +05:30)
      alphabetic time zone abbreviation (e.g., EDT)
 %Z
By default, date pads numeric fields with zeroes.
The following optional flags may follow '%':
    (hyphen) do not pad the field
    (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
 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'
rdeida@cis106vm:~$ whatis ls

    list directory contents

ls (1)
rdeida@cis106vm:~$ whatis pwd
pwd (1)

    print name of current/working directory

rdeida@cis106vm:~$ whatis apt
                     - command-line interface
apt (8)
rdeida@cis106vm:~$ whatis sudo

    execute a command as another user

sudo (8)
```

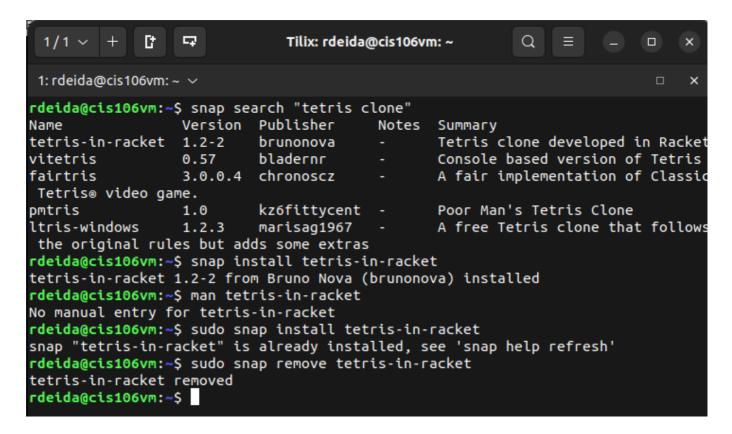
```
1/1 ~ + []
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                              Tilix: rdeida@cis106vm: ~
                                                           Q
                                                               ≡
                                                                          1: rdeida@cis106vm: ~ ~
                                                                               ×
tar -tzvf /path/to/foo.tgz
tar -tzvf /path/to/foo.tar.gz
tar -xjvf /path/to/foo.tar.bz2
tar -cjvf /path/to/foo.tar.bz2 /path/to/foo/
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/t
o/foo/
tar -z ... -> tar -Ipigz ...
tar -j ... -> tar -Ipbzip2 ...
tar -J ... -> tar -Ipixz ...
# To append a new file to an old tar archive:
tar -rf <archive.tar> <new-file-to-append>
rdeida@cis106vm:~$
```

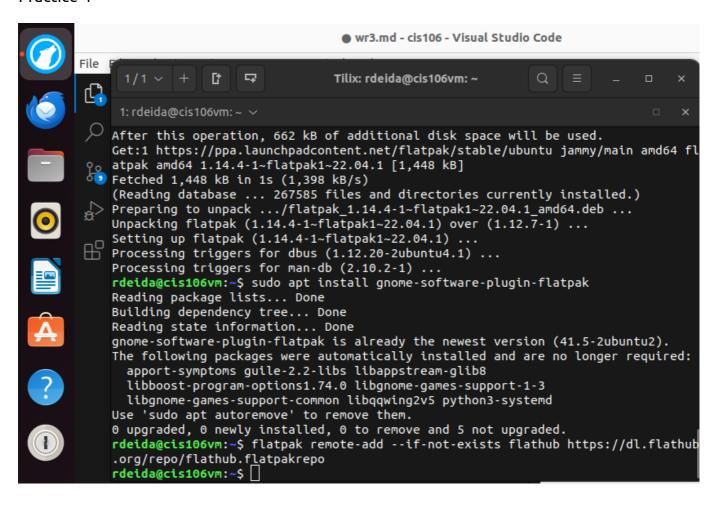
# Managing Software

```
1/1 ~ | +
             D)
                              Tilix: rdeida@cis106vm: ~
                                                           Q
                                                                          ×
1: rdeida@cis106vm: ~ ∨
ils (0.26-1ubuntu3) ...
deida@cis106vm:~$ sudo apt purge bastet
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
 apport-symptoms guile-2.2-libs
 libboost-program-options1.74.0
 libgnome-games-support-1-3
 libgnome-games-support-common
 libqqwing2v5 python3-systemd
Jse 'sudo apt autoremove' to remove them.
he following packages will be REMOVED:
 bastet*
upgraded, 0 newly installed, 1 to remove and 0 not upgraded.
After this operation, O B of additional disk space will be used.
o you want to continue? [Y/n] y
Reading database ... 267586 files and
directories currently installed.)
Purging configuration files for bastet
(0.43-7) ...
deida@cis106vm:~S
```

#### Practice 2

```
1/1 ~ | +
              C†
                  귝
                              Tilix: rdeida@cis106vm: ~
                                                           Q
                                                                          ×
 1: rdeida@cis106vm: ~ ~
                                                                               ×
rdeida@cis106vm:~$ sudo apt install ./Downloads/c
Reading package lists... Done
E: Unsupported file ./Downloads/c given on commandline
rdeida@cis106vm:~$ sudo apt install ./Downloads/code 1.86.2-1707854558 amd64.deb
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Note, selecting 'code' instead of './Downloads/code 1.86.2-1707854558 amd64.deb'
code is already the newest version (1.86.2-1707854558).
The following packages were automatically installed and are no longer required:
  apport-symptoms guile-2.2-libs libboost-program-options1.74.0
  libgnome-games-support-1-3 libgnome-games-support-common libqqwing2v5
  python3-systemd
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
rdeida@cis106vm:~$
```





Practice 5

