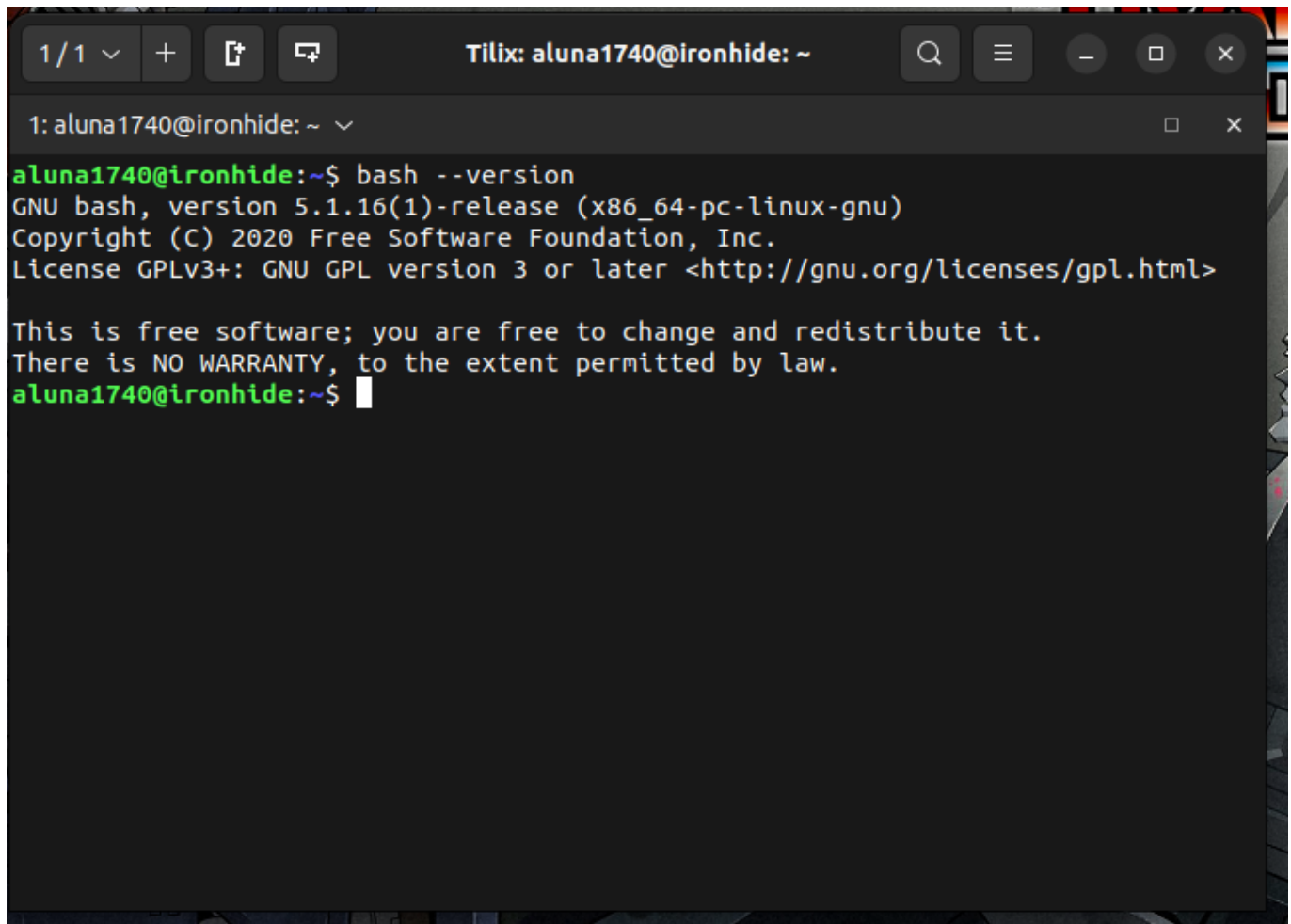


Week Report 3

- <https://github.com/aluna-pccc/cis106/blob/main/notes/notes1/notes1.md>
- <https://github.com/aluna-pccc/cis106/blob/main/labs/lab3/lab3.md>

Bash Shell

Accessing the bash shell

A screenshot of a terminal window titled "Tilix: aluna1740@ironhide: ~". The terminal shows the command "bash --version" being executed. The output displays the GNU bash version 5.1.16(1)-release for x86_64-pc-linux-gnu, along with copyright information for the Free Software Foundation, Inc. (2020) and the GNU GPL license. It also includes a statement about free software and a disclaimer of warranty. The prompt "aluna1740@ironhide:~\$" is visible at the bottom of the terminal output.

```
1/1  +  [icon] [icon]  Tilix: aluna1740@ironhide: ~  [search] [menu] [minus] [maximize] [close]

1: aluna1740@ironhide: ~  [icon] [close]

aluna1740@ironhide:~$ 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.
aluna1740@ironhide:~$
```

Using the command history

```
1: aluna1740@ironhide: ~  
259  uname -r  
260  ver  
261  uname -a  
262  free -h  
263  ls  
264  bash challenge_lab3.sh  
265  cls  
266  clear  
267  bash challenge_lab3.sh  
268  man date  
269  cd cis106/labs/lab3/  
270  bash lab3-script.sh  
271  bash challenge_lab3.sh  
272  cd cis106/labs/lab3/  
273  bash challenge_lab3.sh  
274  git pull  
275  git add .  
276  git commit -m "lab3 finished"  
277  git push  
278  git pull  
279  git add .  
280  git commit -m "lab3 finished-2"  
281  git push  
282  bash --version  
283  date  
284  echo "Hello world"  
285  uname -a  
286  history  
aluna1740@ironhide:~$ !284  
echo "Hello world"  
Hello world  
aluna1740@ironhide:~$ !!  
echo "Hello world"  
Hello world  
aluna1740@ironhide:~$
```

Applications Places [● wr3.md - cis106 - V... [The Bash Shell - Goog... Tilix: aluna1740@iron...

My first shell script

```
scripts > $ hello.sh
1  #!/bin/bash
2  echo "Hello World"
3  echo "I'm learning linux"
4  echo "This is my first bash shell script"
5
```

The screenshot shows a terminal window titled "Tilix: aluna1740@ironhide: ~/cis106/scripts". The user runs the command `bash hello.sh`. The output of the script is displayed as follows:

```
aluna1740@ironhide:~/cis106/scripts$ bash hello.sh
Hello World
I'm learning linux
This is my first bash shell script
aluna1740@ironhide:~/cis106/scripts$
```

Managing software

Practice 1

The screenshot shows a terminal window with the following commands and output:

```
170 bastet
171 sudo apt install gdebi -y
172 sudo apt install flatpak -y
173 sudo apt install gnome-software-plugin-flatpak
174 flatpak remote-add --if-not-exists flathub https://flathub.org/
175 sudo reboot
176 apt search "tetris clone"
177 sudo apt install bastet
178 man bastet
179 apt remove bastet
180 sudo apt remove bastet
181 apt purge bastet
182 sudo apt purge bastet
183 sudo add-apt-repository ppa:atareao/telegram
184 sudo add-apt-repository ppa:atareao/telegram
185 sudo apt update
186 sudo apt install telegram
187 sudo apt install telegram
188 cd Downloads/
189 ls
190 sudo dpkg -i google-chrome-stable_current_amd64.deb
191 ls
192 sudo dpkg -i code_1.86.2-1707854558_amd64.deb
193 snap search "tetris clone"
194 sudo snap install tetris-in-racket
195 man tetris-in-racket
196 tetris-in-racket
197 sudo snap remove tetris-in-racket
198 sudo flatpak install flathub io.gitlab.librewolf-community
199 flatpak run io.gitlab.librewolf-community
200 sudo apt install software-properties-common
201 sudo apt install software-properties-common -y
202 sudo add-apt-repository ppa:appimagelauncher-team/stable
203 sudo apt update
204 sudo apt install appimagelauncher
```

The output of the terminal shows the following messages:

```
0 upgraded, 0 newly installed, 1 to remove and 20 not upgraded.
After this operation, 212 kB disk space will be freed.
Do you want to continue? [Y/n] y
(Reading database ... 273812 files and directories currently installed ...)
Removing bastet (0.43-7) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
Processing triggers for bamfdaemon (0.5.6+22.04.20220217-0ubuntu1) ...
Rebuilding /usr/share/applications/bamf-2.index...
aluna1740@ironhide:~$ 1182
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
Use 'sudo apt autoremove' to remove them.
The following packages will be REMOVED:
  bastet*
0 upgraded, 0 newly installed, 1 to remove and 20 not upgraded.
After this operation, 0 B of additional disk space will be used.
Do you want to continue? [Y/n] y
(Reading database ... 273802 files and directories currently installed ...)
Purging configuration files for bastet (0.43-7) ...
aluna1740@ironhide:~$
```

Practice 2: Install deb file via CLI

```

185 sudo apt update
186 sudo apt install telegram
187 sudo apt install telegram
188 cd Downloads/
189 ls
190 sudo dpkg -i google-chrome-stable_current_amd64.deb
191 ls
192 sudo dpkg -i code_1.86.2-1707854558_amd64.deb
193 snap search "tetris clone"
194 sudo snap install tetris-in-racket
195 man tetris-in-racket
196 tetris-in-racket
197 sudo snap remove tetris-in-racket
198 sudo flatpak install flathub io.gitlab.librewolf-community
199 flatpak run io.gitlab.librewolf-community

```

```

aluna1740@ironhide:~$ !188
cd Downloads/
aluna1740@ironhide:~/Downloads$ !192
sudo dpkg -i code_1.86.2-1707854558_amd64.deb
(Reading database ... 273801 files and directories currently installed
.)
Preparing to unpack code_1.86.2-1707854558_amd64.deb ...
Unpacking code (1.86.2-1707854558) over (1.86.2-1707854558) ...

```

Practice 3: Installing and removing snaps

```

185 sudo apt update
186 sudo apt install telegram
187 sudo apt install telegram
188 cd Downloads/
189 ls
190 sudo dpkg -i google-chrome-stable_current_amd64.deb
191 ls
192 sudo dpkg -i code_1.86.2-1707854558_amd64.deb
193 snap search "tetris clone"
194 sudo snap install tetris-in-racket
195 man tetris-in-racket
196 tetris-in-racket
197 sudo snap remove tetris-in-racket
198 sudo flatpak install flathub io.gitlab.librewolf-community
199 flatpak run io.gitlab.librewolf-community
200 sudo apt install software-properties-common
201 sudo apt install software-properties-common -y
202 sudo add-apt-repository ppa:appimagelauncher-team/stable
203 sudo apt update
204 sudo apt install appimagelauncher
205 flatpak install flathub io.github.prateekmedia.appimagepool
206 reboot
207 h
208 fgfdgfdgfdg
209 df
210 h
211 sudo apt update && sudo apt install gnome-session-flashback lig
tdm -y
212 git pull
213 uname
214 start x
215 cls
216 clear
217 gnome-shell -h
218 gnome-shell --version
219 clear

```

```

Fontconfig warning: "/etc/fonts/conf.d/80-delicious.conf", line 5: un
nown element "its:translateRule"
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 5: inva
id attribute 'translate'
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 5: inva
id attribute 'selector'
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 6: inva
id attribute 'xmlns:its'
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 6: inva
id attribute 'version'
Fontconfig warning: "/etc/fonts/conf.d/90-synthetic.conf", line 4: un
nown element "its:rules"
Fontconfig warning: "/etc/fonts/conf.d/90-synthetic.conf", line 5: un
nown element "its:translateRule"
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 5: inva
id attribute 'selector'
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 5: inva
id attribute 'xmlns:its'
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 6: inva
id attribute 'version'

^Cuser break
context...:
/usr/share/racket/pkgs/http-lib/graphics/graphics-posn-less-unit.r
t:115:14: remove/wait method in queue%
/build/tetris-in-racket/parts/tetris-in-racket/build/tetris-in-rac
et.rkt:843:2: input-menu
#%mzc:tetris-in-racket: [running body]
aluna1740@ironhide:~/Downloads$ !197
sudo snap remove tetris-in-racket
tetris-in-racket removed
aluna1740@ironhide:~/Downloads$

```