Week Report 3

Completed work for week 3
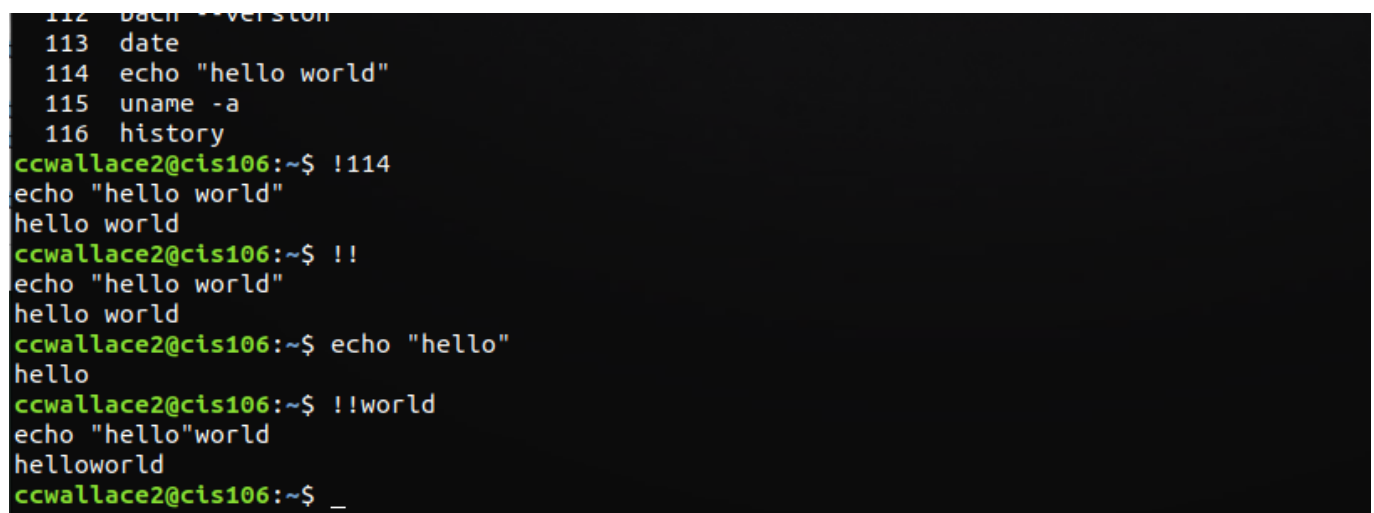
*Lab 3 *Notes 1

Practice 2: Accessing the bach shell

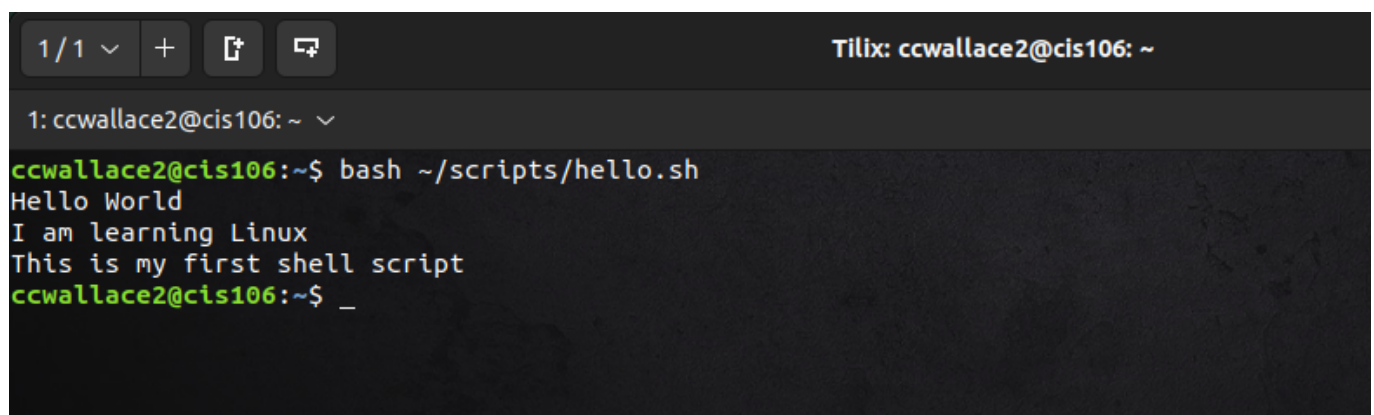Practice 3: Using the command history

Practice 4: My first shell script

Practice 5: Using man

```
1/1 ∨    +    ⬚    ⬚                          Tilix: ccwallace2@cis106: ~

1: ccwallace2@cis106: ~ ∨

ccwallace2@cis106:~$ man uname
ccwallace2@cis106:~$ uname -s
Linux
ccwallace2@cis106:~$ uname -n
cis106
ccwallace2@cis106:~$ uname -i
x86_64
ccwallace2@cis106:~$ uname -o
GNU/Linux
ccwallace2@cis106:~$ man date
ccwallace2@cis106:~$ man df
ccwallace2@cis106:~$ man free
ccwallace2@cis106:~$ man cler
No manual entry for cler
ccwallace2@cis106:~$ man clear
ccwallace2@cis106:~$ man history
ccwallace2@cis106:~$ free -g
              total        used        free      shared  buff/cache   available
Mem:              3           2           0           0           1           1
Swap:             3           0           3
ccwallace2@cis106:~$ _
```

Practice 6: Using the help option

```
1: ccwallace2@cis106: ~ ∨
%t   a tab
%T   time; same as %H:%M:%S
%u   day of week (1..7); 1 is Monday
%U   week number of year, with Sunday as first day of week (00..53)
%V   ISO week number, with Monday as first day of week (01..53)
%w   day of week (0..6); 0 is Sunday
%W   week number of year, with Monday as first day of week (00..53)
%x   locale's date representation (e.g., 12/31/99)
%X   locale's time representation (e.g., 23:13:48)
%y   last two digits of year (00..99)
%Y   year
%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)
%Z   alphabetic time zone abbreviation (e.g., EDT)

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
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'
ccwallace2@cis106:~$ whatis ls
ls (1)               - list directory contents
ccwallace2@cis106:~$ whatis pwd
pwd (1)              - print name of current/working directory
ccwallace2@cis106:~$ whatis apt
apt (8)              - command-line interface
ccwallace2@cis106:~$ whatis sudo
sudo (8)             - execute a command as another user
ccwallace2@cis106:~$ _
```

Practice 7: Cheat

```
ccwallace2@cis106:~$ sudo apt install python3-pip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
python3-pip is already the newest version (22.0.2+dfsg-1ubuntu0.4).
The following packages were automatically installed and are no longer required:
  apport-symptoms guile-2.2-libs 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 20 not upgraded.
ccwallace2@cis106:~$ pip3 install Pygments
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: Pygments in /usr/lib/python3/dist-packages (2.11.2)
ccwallace2@cis106:~$ cheat tar | pygmentize
```

Practice 1

```
/usr/games/tint: /usr/games/tint: cannot execute binary file                ccwa
ccwallace2@cis106:~$ tint
Choose a level to start [1-9]: 1
ccwallace2@cis106:~$ apt remove tint
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission
  denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are
 you root?
ccwallace2@cis106:~$ sudo apt remove tint
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 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:
  tint
0 upgraded, 0 newly installed, 1 to remove and 20 not upgraded.
After this operation, 71.7 kB disk space will be freed.
Do you want to continue? [Y/n] y
(Reading database ... 261181 files and directories currently installed.)
Removing tint (0.07) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
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...
ccwallace2@cis106:~$ sudo apt purge tint
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 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:
  tint*
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 ... 261172 files and directories currently installed.)
Purging configuration files for tint (0.07) ...
ccwallace2@cis106:~$ _

                                                           remote: Resolving de
```

Practice 2

```
1/1 ∨  +  📋  🖵                                    Tilix: ccwallace2@cis106: ~

1: ccwallace2@cis106: ~  ∨

ccwallace2@cis106:~$ sudo apt install ./Downloads/code_1.86.2-1707853305_arm64.deb
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Note, selecting 'code:arm64' instead of './Downloads/code_1.86.2-1707853305_arm64.deb'
Some packages could not be installed. This may mean that you have
requested an impossible situation or if you are using the unstable
distribution that some required packages have not yet been created
or been moved out of Incoming.
The following information may help to resolve the situation:

The following packages have unmet dependencies:
 code:arm64 : Depends: libasound2:arm64 (>= 1.0.17) but it is not installable
              Depends: libatk-bridge2.0-0:arm64 (>= 2.5.3) but it is not installable
              Depends: libatk1.0-0:arm64 (>= 2.2.0) but it is not installable
              Depends: libatspi2.0-0:arm64 (>= 2.9.90) but it is not installable
              Depends: libc6:arm64 (>= 2.17) but it is not installable
              Depends: libc6:arm64 (>= 2.28) but it is not installable
              Depends: libcairo2:arm64 (>= 1.6.0) but it is not installable
              Depends: libcurl3-gnutls:arm64 but it is not installable or
                       libcurl3-nss:arm64 but it is not installable or
                       libcurl4:arm64 but it is not installable or
                       libcurl3:arm64 but it is not installable
              Depends: libdbus-1-3:arm64 (>= 1.9.14) but it is not installable
              Depends: libdrm2:arm64 (>= 2.4.75) but it is not installable
              Depends: libexpat1:arm64 (>= 2.1~beta3) but it is not installable
              Depends: libgbm1:arm64 (>= 17.1.0~rc2) but it is not installable
              Depends: libglib2.0-0:arm64 (>= 2.37.3) but it is not installable
              Depends: libgssapi-krb5-2:arm64 (>= 1.17) but it is not installable
              Depends: libgtk-3-0:arm64 (>= 3.9.10) but it is not installable
              Depends: libgtk-3-0:arm64 (>= 3.9.10) but it is not installable or
                       libgtk-4-1:arm64 but it is not installable
              Depends: libkrb5-3:arm64 (>= 1.6.dfsg.2) but it is not installable
              Depends: libnspr4:arm64 (>= 2:4.9-2~) but it is not installable
              Depends: libnss3:arm64 (>= 2:3.30) but it is not installable
              Depends: libnss3:arm64 (>= 3.26) but it is not installable
              Depends: libpango-1.0-0:arm64 (>= 1.14.0) but it is not installable
```

Practice 3

```
Fontconfig error: "/etc/fonts/conf.d/65-fonts-persian.conf", line 36: invalid attribute 'xmlns:its'
Fontconfig error: "/etc/fonts/conf.d/65-fonts-persian.conf", line 36: invalid attribute 'version'
Fontconfig warning: "/etc/fonts/conf.d/65-nonlatin.conf", line 4: unknown element "its:rules"
Fontconfig warning: "/etc/fonts/conf.d/65-nonlatin.conf", line 5: unknown element "its:translateRule"
Fontconfig error: "/etc/fonts/conf.d/65-nonlatin.conf", line 5: invalid attribute 'translate'
Fontconfig error: "/etc/fonts/conf.d/65-nonlatin.conf", line 5: invalid attribute 'selector'
Fontconfig error: "/etc/fonts/conf.d/65-nonlatin.conf", line 6: invalid attribute 'xmlns:its'
Fontconfig error: "/etc/fonts/conf.d/65-nonlatin.conf", line 6: invalid attribute 'version'
Fontconfig warning: "/etc/fonts/conf.d/65-nonlatin.conf", line 8: unknown element "description"
Fontconfig warning: "/etc/fonts/conf.d/69-unifont.conf", line 4: unknown element "its:rules"
Fontconfig warning: "/etc/fonts/conf.d/69-unifont.conf", line 5: unknown element "its:translateRule"
Fontconfig error: "/etc/fonts/conf.d/69-unifont.conf", line 5: invalid attribute 'translate'
Fontconfig error: "/etc/fonts/conf.d/69-unifont.conf", line 5: invalid attribute 'selector'
Fontconfig error: "/etc/fonts/conf.d/69-unifont.conf", line 6: invalid attribute 'xmlns:its'
Fontconfig error: "/etc/fonts/conf.d/69-unifont.conf", line 6: invalid attribute 'version'
Fontconfig warning: "/etc/fonts/conf.d/70-no-bitmaps.conf", line 4: unknown element "its:rules"
Fontconfig warning: "/etc/fonts/conf.d/70-no-bitmaps.conf", line 5: unknown element "its:translateRule"
Fontconfig error: "/etc/fonts/conf.d/70-no-bitmaps.conf", line 5: invalid attribute 'translate'
Fontconfig error: "/etc/fonts/conf.d/70-no-bitmaps.conf", line 5: invalid attribute 'selector'
Fontconfig error: "/etc/fonts/conf.d/70-no-bitmaps.conf", line 6: invalid attribute 'xmlns:its'
Fontconfig error: "/etc/fonts/conf.d/70-no-bitmaps.conf", line 6: invalid attribute 'version'
Fontconfig warning: "/etc/fonts/conf.d/70-no-bitmaps.conf", line 8: unknown element "description"
Fontconfig warning: "/etc/fonts/conf.d/80-delicious.conf", line 4: unknown element "its:rules"
Fontconfig warning: "/etc/fonts/conf.d/80-delicious.conf", line 5: unknown element "its:translateRule"
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 5: invalid attribute 'translate'
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 5: invalid attribute 'selector'
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 6: invalid attribute 'xmlns:its'
Fontconfig error: "/etc/fonts/conf.d/80-delicious.conf", line 6: invalid attribute 'version'
Fontconfig warning: "/etc/fonts/conf.d/90-synthetic.conf", line 4: unknown element "its:rules"
Fontconfig warning: "/etc/fonts/conf.d/90-synthetic.conf", line 5: unknown element "its:translateRule"
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 5: invalid attribute 'translate'
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 5: invalid attribute 'selector'
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 6: invalid attribute 'xmlns:its'
Fontconfig error: "/etc/fonts/conf.d/90-synthetic.conf", line 6: invalid attribute 'version'
shm_open() failed: Permission denied
Connection failure: Connection refused
pa_context_connect() failed: Connection refused
ccwallace2@cis106:~$ sudo snap remove tetris-in-racket
tetris-in-racket removed
ccwallace2@cis106:~$ _
```