Notes 4
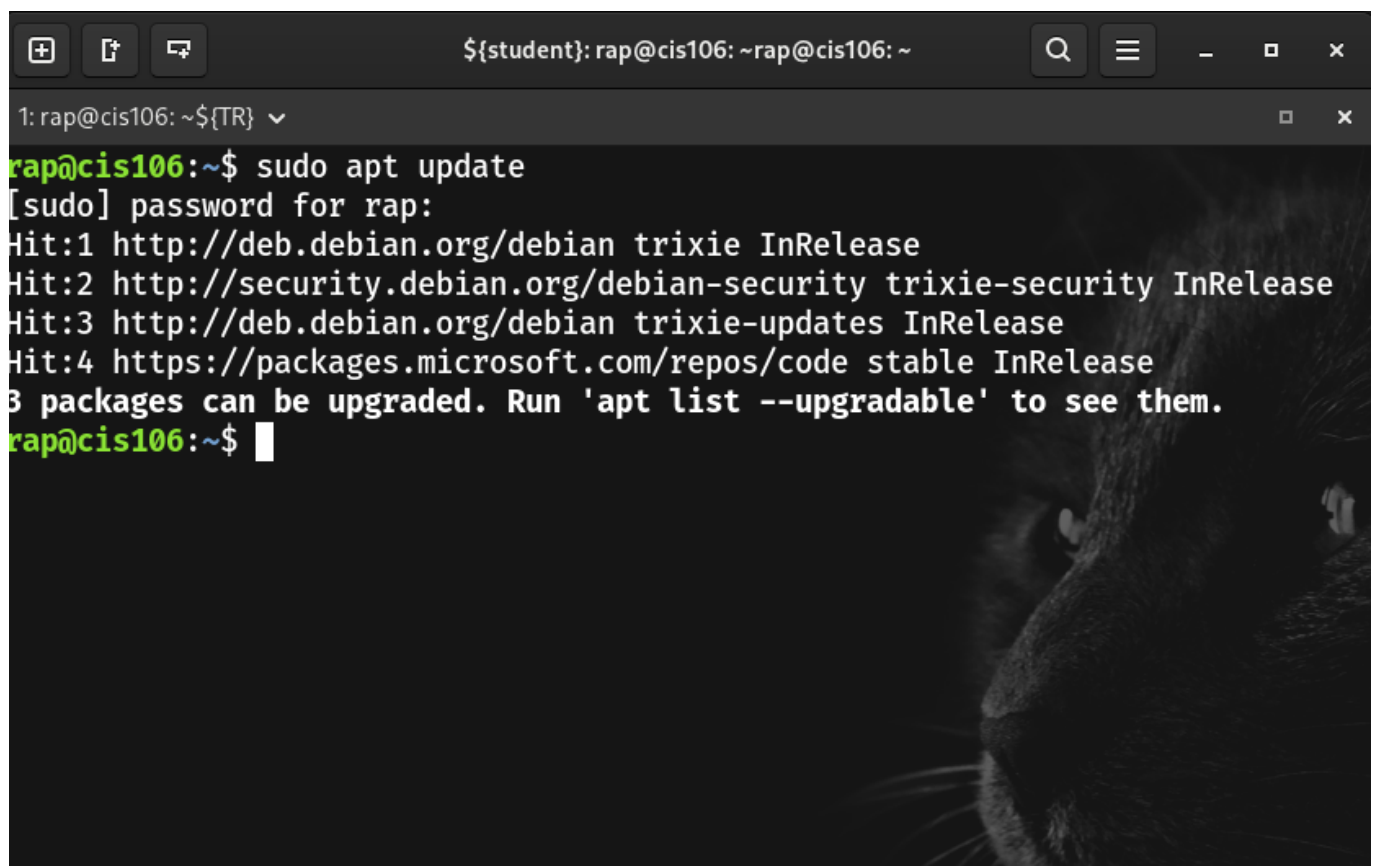
How to install and remove software using the APT command.

Installing Software with APT

Update the Package List

Command sudo apt update

Install package

Command sudo apt install

```
1: rap@cis106: ~${TR}  ⌄
rap@cis106:~$ sudo apt install vitetris -y
Installing:
  vitetris

Summary:
  Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 3
  Download size: 70.4 kB
  Space needed: 159 kB / 26.1 GB available

Get:1 http://deb.debian.org/debian trixie/main amd64 vitetris amd64 0.59.1-3 [70.4 kB]
Fetched 70.4 kB in 0s (974 kB/s)
Selecting previously unselected package vitetris.
(Reading database ... 204384 files and directories currently installed.)
Preparing to unpack .../vitetris_0.59.1-3_amd64.deb ...
Unpacking vitetris (0.59.1-3) ...
Setting up vitetris (0.59.1-3) ...
Processing triggers for desktop-file-utils (0.28-1) ...
Processing triggers for gnome-menus (3.36.0-3) ...
Processing triggers for man-db (2.13.1-1) ...
Processing triggers for mailcap (3.74) ...
rap@cis106:~$ █
```

Remove package

Command sudo apt remove

Command sudo apt purge
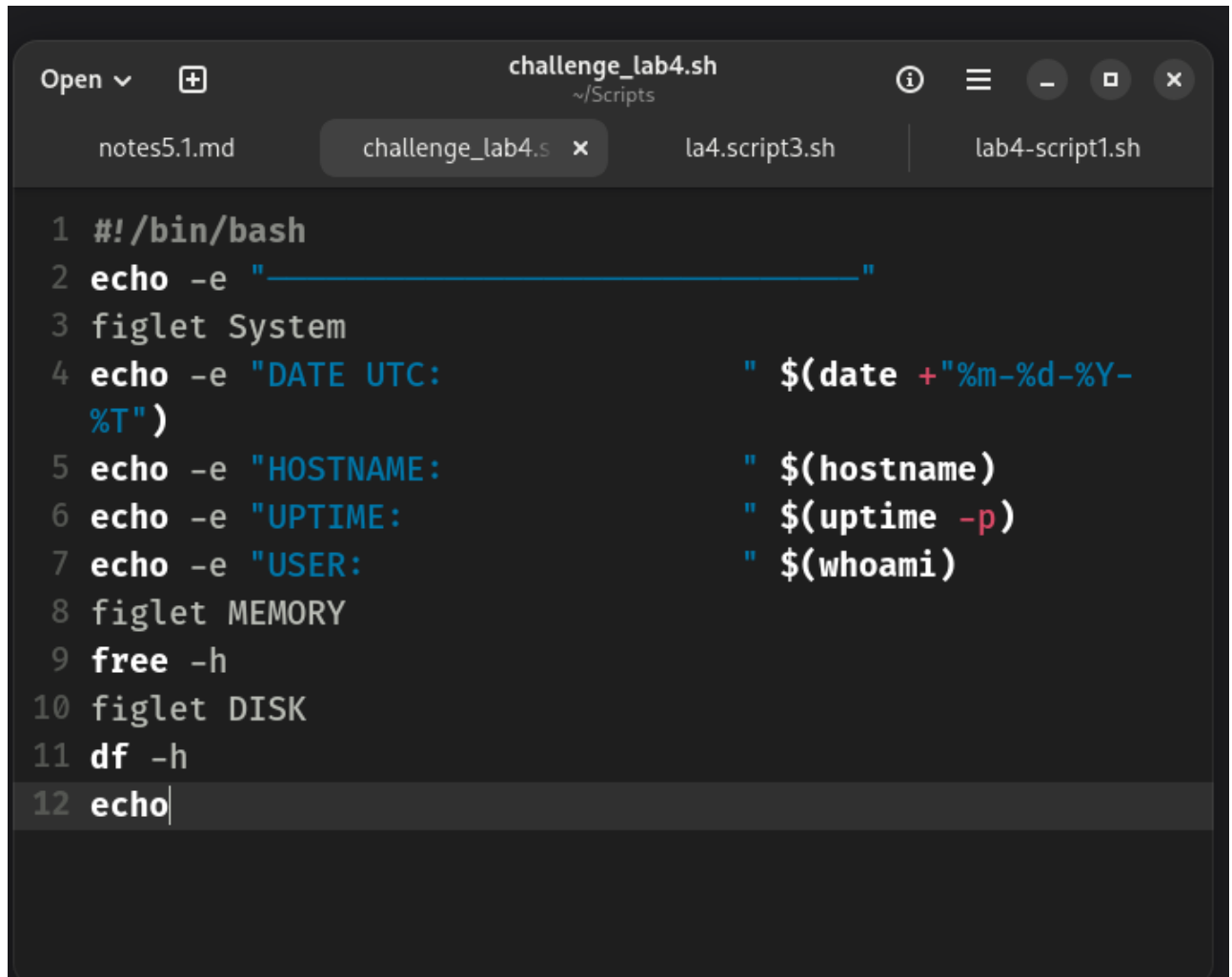

How to create a shell script step by step including screenshots and how to run it.

Pick a file for script

- Gnome text edit
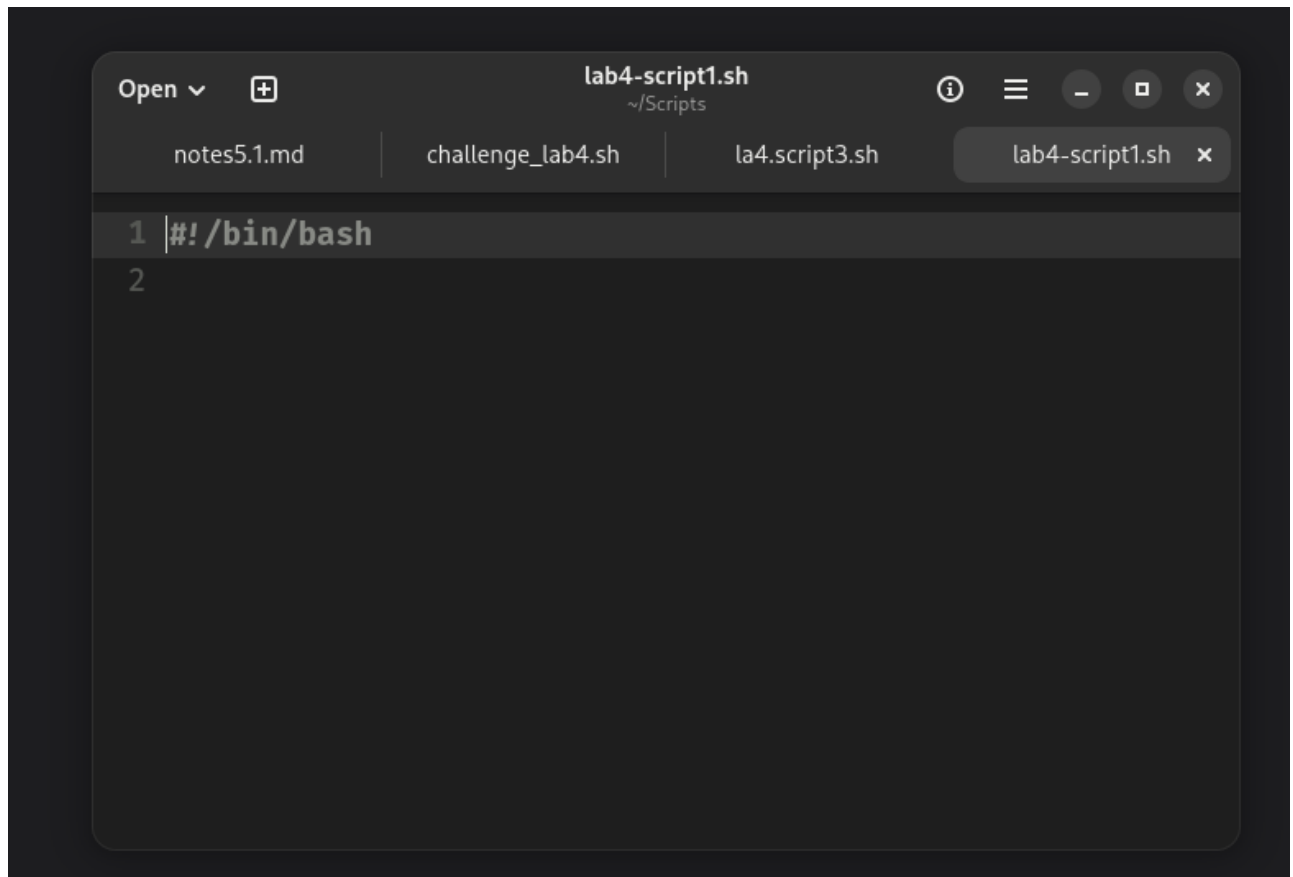
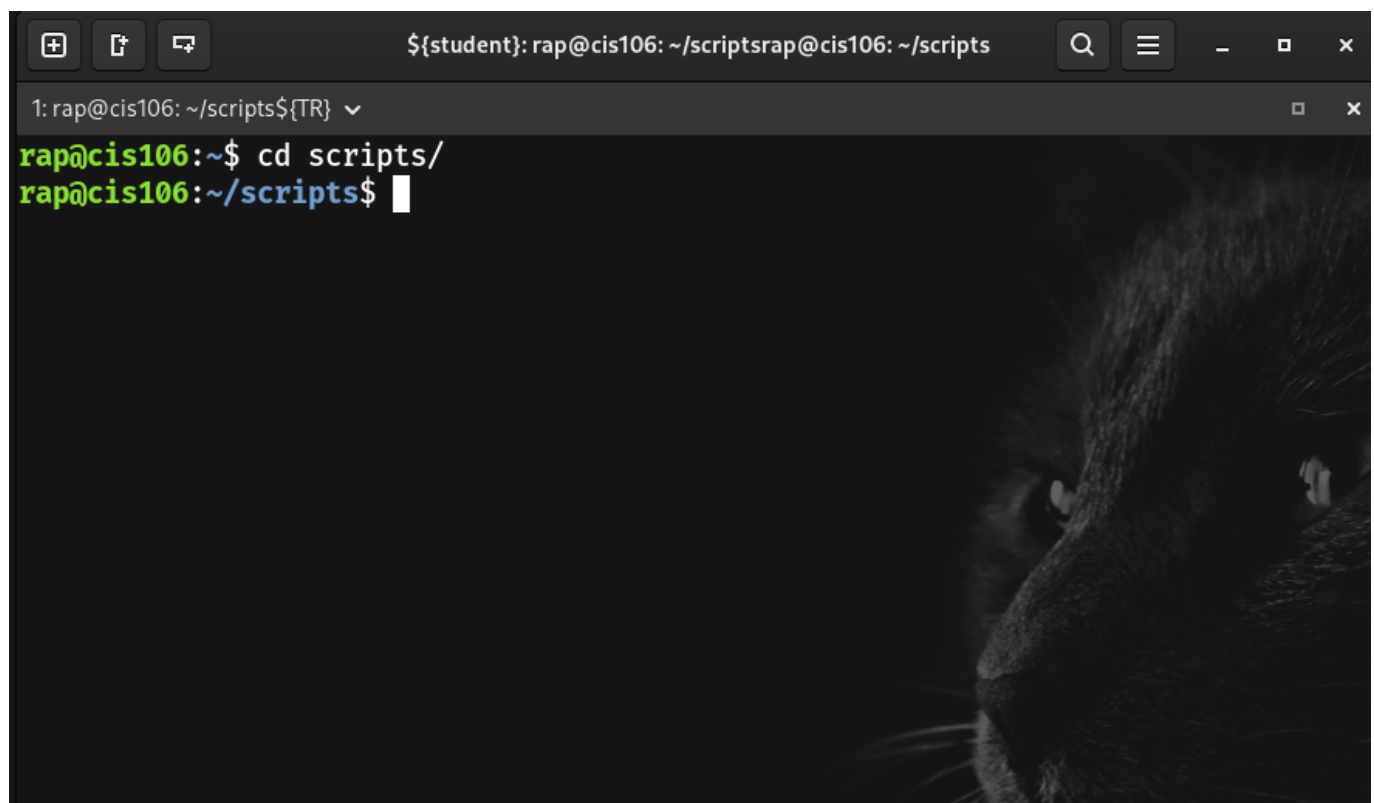- Save as and name the shell script

Open the shell script on the terminal

Run it

```
${student}: rap@cis106: ~/scriptsrap@cis106: ~/scripts

1: rap@cis106: ~/scripts${TR} ∨

rap@cis106:~$ cd scripts/
rap@cis106:~/scripts$ bash challenge_lab4.sh

 ___   _                                                   6 / 6
/ __| |_| _ _  ___ |_ _ ___  _ __
\__ \ | || | |(_-< |  _/ -_)| '  \
|___/ |_| \_, |/__/  \__\___||_|_|_|
          |__/

DATE UTC:               11-06-2025-09:59:22
HOSTNAME:               cis106
UPTIME:                 up 55 minutes
USER:                   rap

 __  __                                 _
|  \/  | ___  _ __   ___  _ _  _  _
| |\/| |/ -_)|  ' \ / _ \| '_|| || |
|_|  |_|\___||_|_|_|\___/|_|   \_, |
                               |__/

              total       used        free     shared  buff/cache   available
Mem:          3.8Gi       2.9Gi       174Mi       62Mi       1.1Gi       957Mi
Swap:         2.1Gi       315Mi       1.8Gi

 ___  _     _
|   \(_) __| |__ ___
| |) | |(_-< / /(_-<
|___/|_|/__/_\_\/__/

Filesystem      Size  Used Avail Use% Mounted on
udev            1.9G     0  1.9G   0% /dev
tmpfs           392M  4.4M  388M   2% /run
/dev/sda1        38G   12G   25G  33% /
tmpfs           2.0G   20M  1.9G   2% /dev/shm
tmpfs           5.0M     0  5.0M   0% /run/lock
tmpfs           1.0M     0  1.0M   0% /run/credentials/systemd-journald.service
```