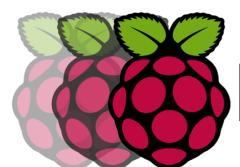
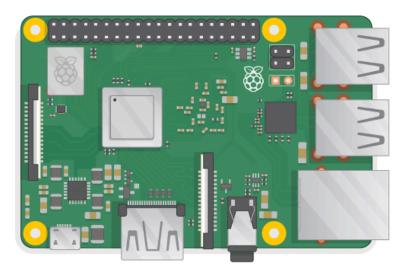


- 01 Parts
- 02 Introduction
- **O3 Getting Started: Open Terminal**
- 04 Navigate Folder and File
- **05 Read and Write Text**
- 06 Permission to Install
- 07 Miscellaneous





Required Parts

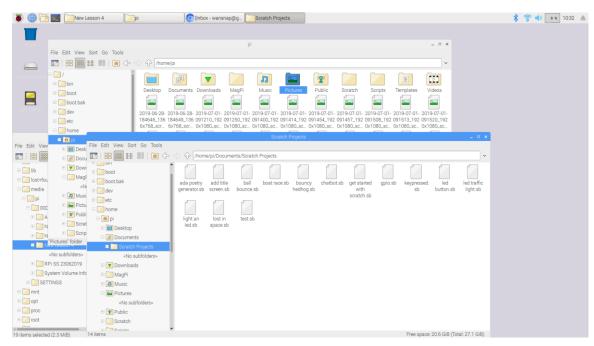


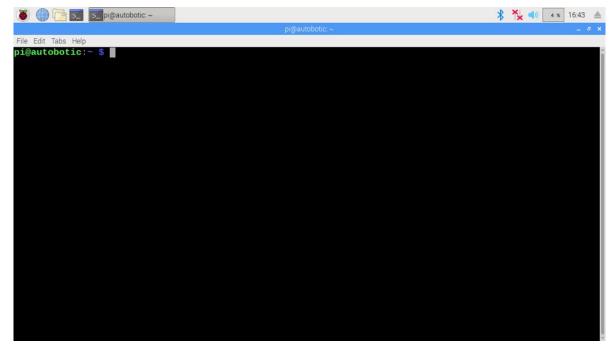
Raspberry Pi Computer

Others: Your Creativity









a full control, and its fast way to do everything

Better way to learn and use Raspbian (Linux) Raspberry Pi



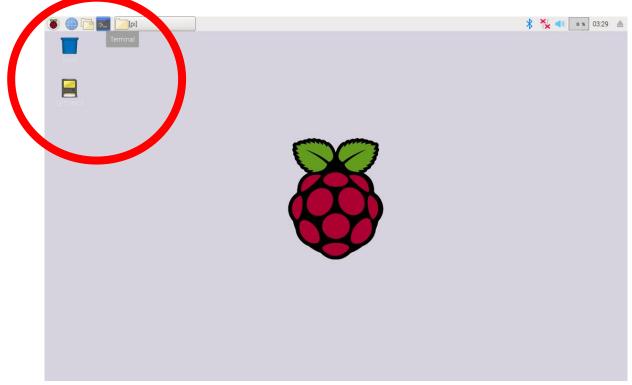




Using GUI
Main menu > Accessories > Terminal



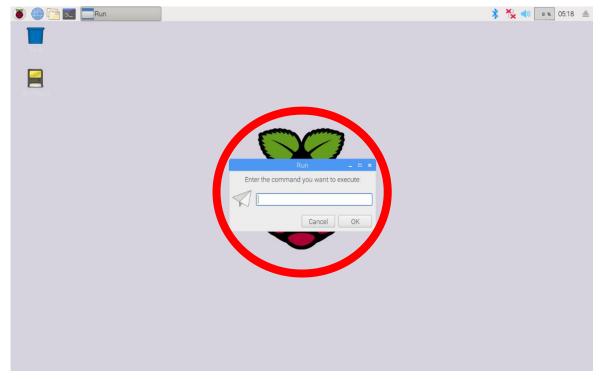




Using GUI
Shortcuts Icon



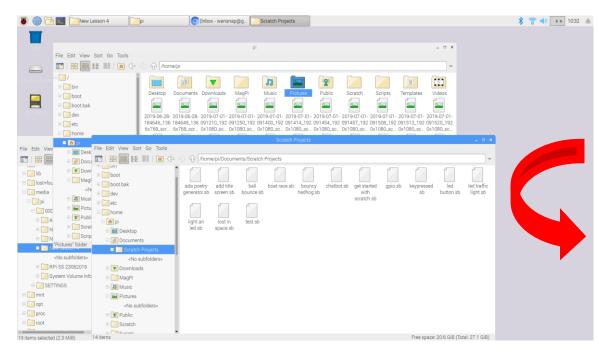


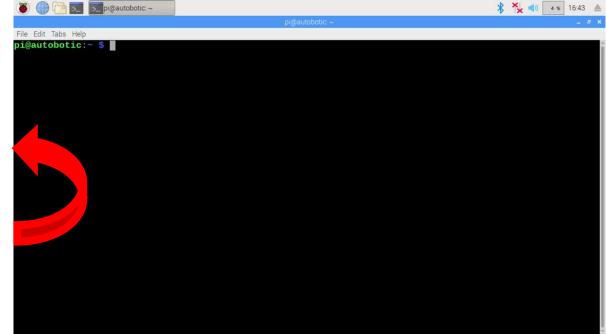


Using GUI
Alt + F7 > Itxterminal







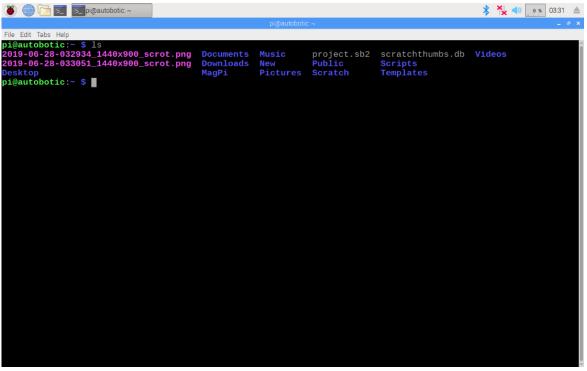


Ctrl + Alt + [F1, F2, F3, F4, F5, F6, F7]

GUI desktop to Terminal Interchangeably



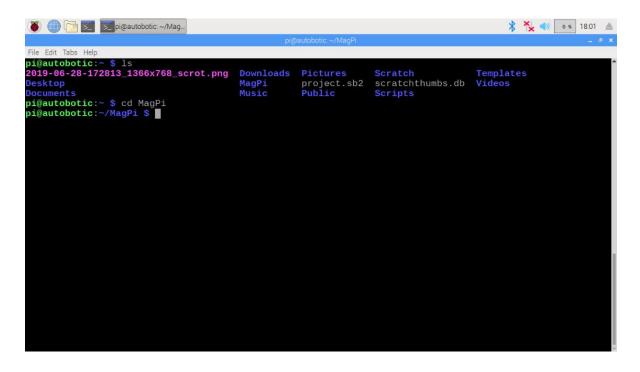




Is [option] [file ...]

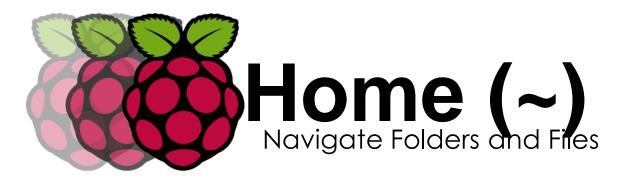


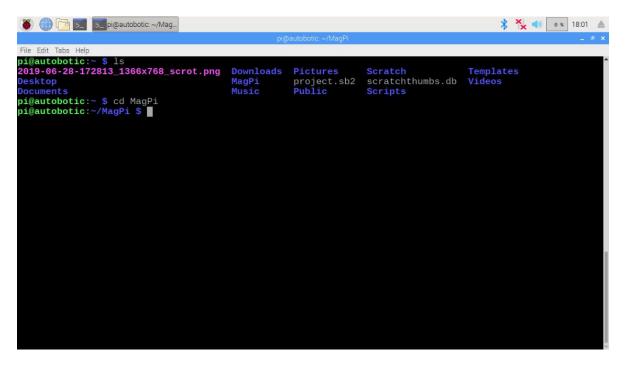




Cd [file ...]
Change working directory



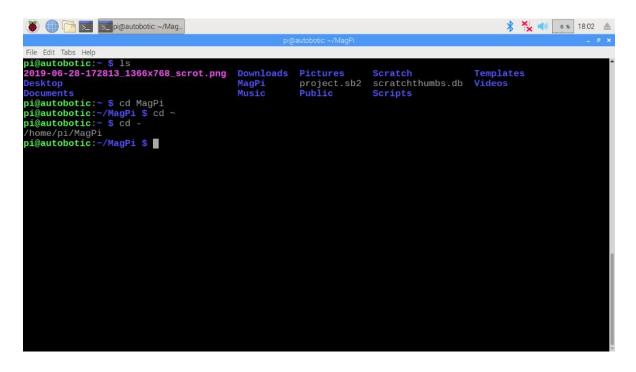




CC ~
Directed to "home' Pi directory











Printed/present working directory



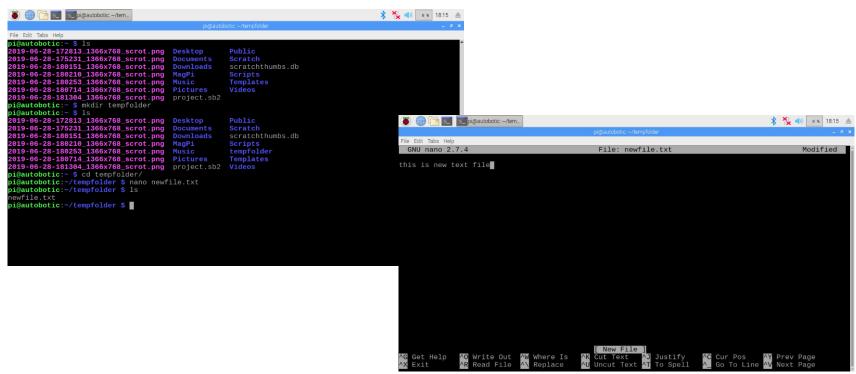


```
pi@autobotic: ~
                                      File Edit Tabs Help
Public
Scratch
scratchthumbs.db
Scripts
2019-06-28-180253_1366x768_scrot.png Music
                      Templates
Videos
2019-06-28-181304_1366x768_scrot.png project.sb2
pi@autobotic:~ $ mkdir tempfolder
pi@autobotic:~ $ ls
scratchthumbs.db
2019-06-28-180210_1366x768_scrot.png MagPi
                      Scripts
Templates
2019-06-28-181304_1366x768_scrot.png project.sb2 Videos
pi@autobotic:~ $
```







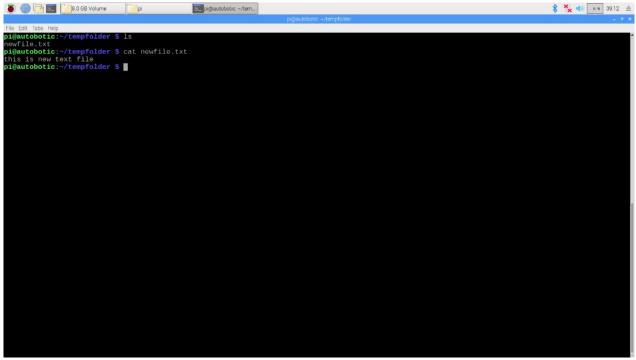


nano [file ...]

Create/edit a new/old files (any format)





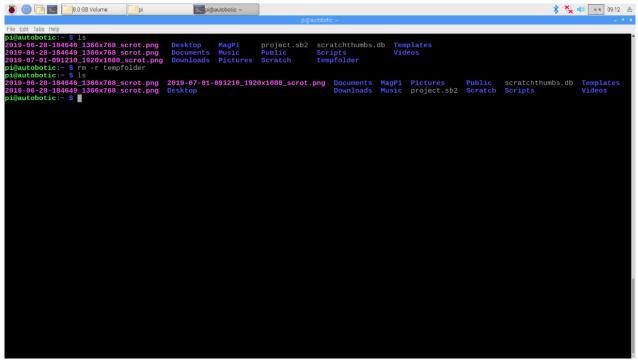


cat [option] [file ...]

Create/edit a new/old files (any format)



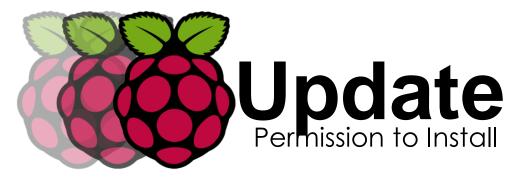


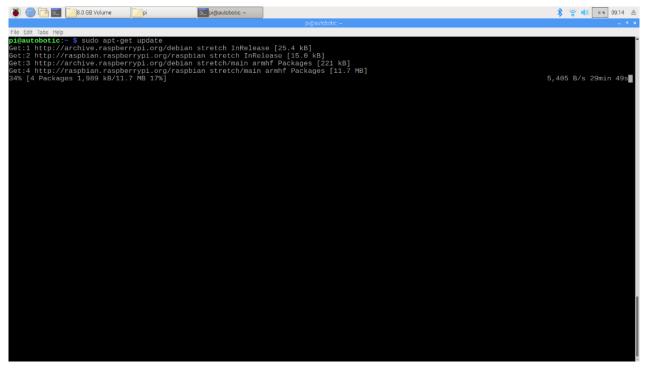


rm [option] [file ...]

Create/edit a new/old files (any format)







sudo apt-get update

refreshing the list of available updates

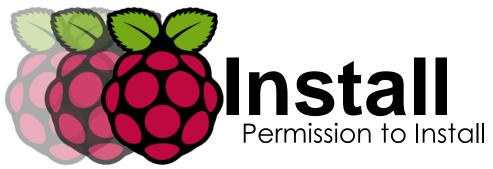




sudo apt-get upgrade

upgrades/installs the new version of the package available

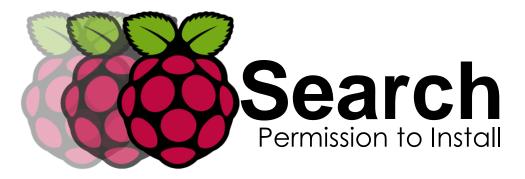


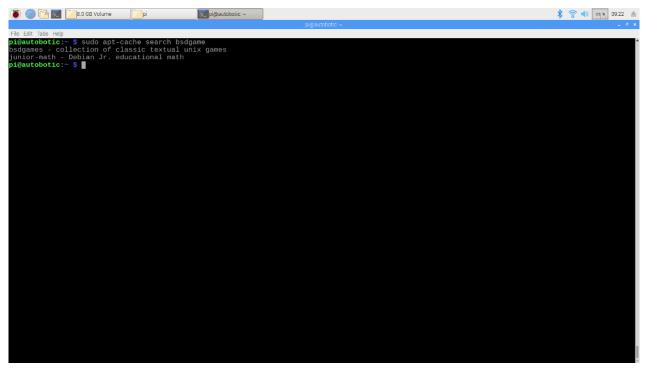


```
8.0 GB Volume
                                                                                                                                                                                                                                                                                                                                                                                                         pi@autobotic: ~
pi@autobotic:- $ sudo apt-get update
Get:: http://archive.raspberrypi.org/debian stretch InRelease [25.4 kB]
Get:: http://arspbian.raspberrypi.org/raspbian stretch InRelease [15.0 kB]
Get:: http://archive.raspberrypi.org/raspbian stretch/main armhf Packages [221 kB]
Get:: 4 http://archive.raspberrypi.org/raspbian stretch/main armhf Packages [121 kB]
Fetched 11.9 MB in 53s (223 kB/s)
Reading package lists... Done
1:@autobotic:- $ sudo apt-get upgrade
Reading package lists... Done
Suilding dependency tree
Reading state information... Done
Lalculating upgrade... Done
The following packages will be upgraded:
    nacturing upgrades... Sole
en following packages will be upgraded:
libexpat1 libexpat1-dev
upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
eed to get 179 kB of archives.
        you want to continue? [Y/n] y
       ::1 http://mirror.rise.ph/raspbian/raspbian stretch/main armhf libexpat1-dev armhf 2.2.0-2+deb9u2 [116 kB]
::2 http://mirror.rise.ph/raspbian/raspbian stretch/main armhf libexpat1 armhf 2.2.0-2+deb9u2 [62.3 kB]
  etched 179 kB in 1s (133 kB/s)
eading changelogs... Done
Reading database ... 80%
```

sudo apt-get install [file ...]





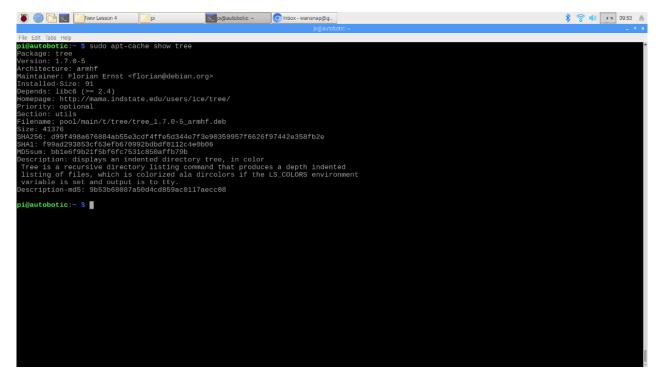


sudo apt-cache search [file ...]

find a package – before installing it



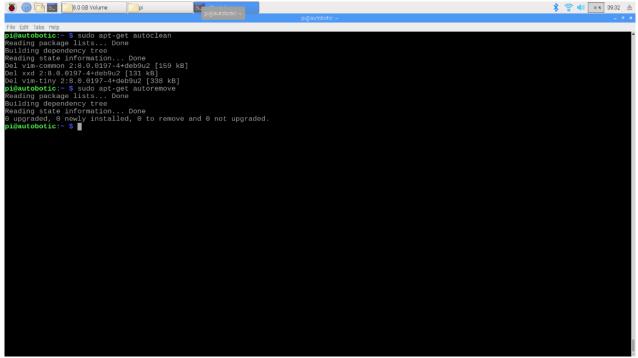




sudo apt-cache show [file ...]







sudo apt-get autoclean

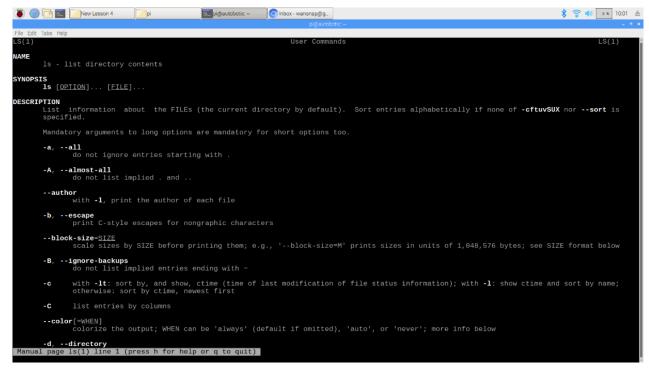
helps to clean up the .deb files of the packages that are no longers installed on your computer

sudo apt-get autoremove

remove un-needed the additional packages





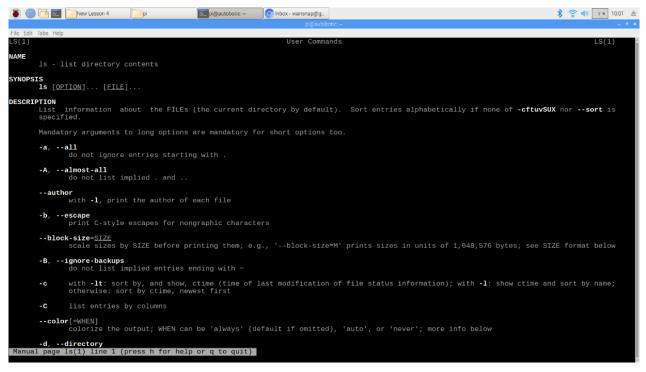


man [command]

man pages are a user manual





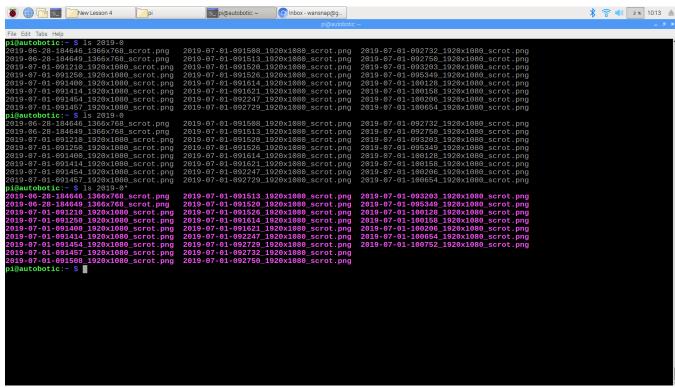


info [command]

info pages are a user manual with more details





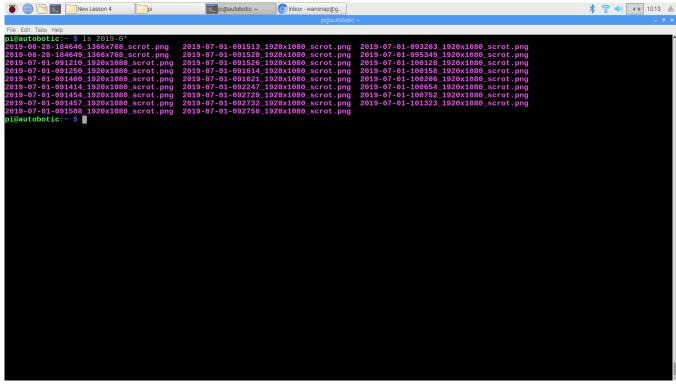


lazy way for typing?

more than one file beginning with 2, they'll all be listed, and can type more letters and hit Tab again.







* wildcard

one represents any number of characters (including none)

