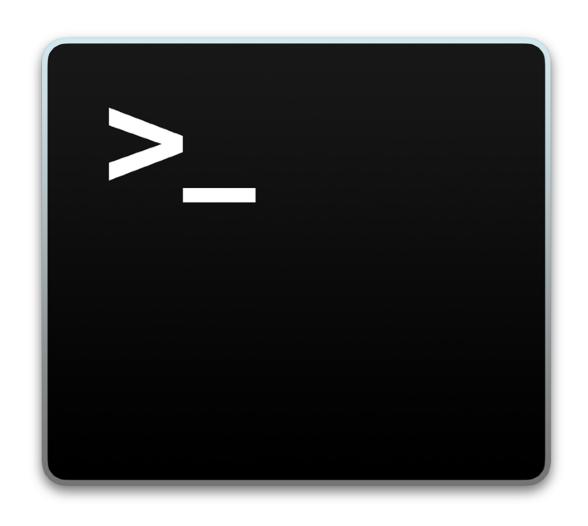
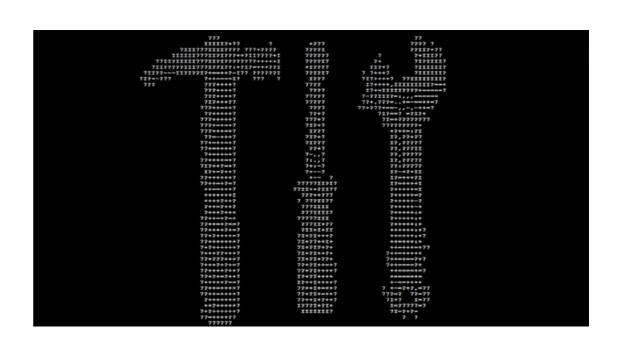
Working with the Terminal





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General Commands

- clear Clears previously run commands and text from the terminal screen
- date Prints the current date
- find / -name filename.txt Searches the whole system for filename.txt and outputs a list of all directories that contains the file
- nano example.txt Opens the file example.txt in the Linux text editor Nano
- raspi-config Opens the configuration settings menu
- reboot Reboots immediately
- shutdown -h now Shutdown immediately
- shutdown -h 01:30 Shutdown at 1:30 am

File and Directory Commands

- pwd Print working directory; shows the current directory path
- cd /abc/xyz Changes the current directory to the /abc/xyz directory
- cd .. Navigate up a directory
- cd ~ Navigate to the home/user directory
- Is List all the files in the current directory and their properties
- mkdir new_directory_name Creates a new directory called new_directory_name inside the current directory
- mv filename.txt /home/pi/Downloads/ Moves the filename.txt file inside the /home/pi/Downloads folder

File and Directory Commands

- touch example.txt Creates a new empty file called example.txt in the current directory
- rm filename.txt Deletes filename.txt
- rmdir directory_name Deletes the directory called directory_name (only if it is empty)
- rm -rf directory_name Deletes the directory called directory_name and all it's containing files and subdirectories
- scp filename.txt <u>username@10.0.0.106</u>:/some/path/file.txt Copies filename.ext over SSH. The file is copied to a machine with IP Address 10.0.0.106 to the /some/path/file.txt path. This action is performed on behalf of the user, username.

Networking commands

- ifconfig Check the status of the wireless connection you are using (to see if wlan0 has acquired an IP Address)
- iwconfig Check which network the wireless adapter is using
- ping Tests connectivity between two devices that are connected on a network
- wget http://www.website.com/file.txt Downloads the file located at http://www.website.com/file.txt

System information commands

- cat /proc/meminfo Show details about your memory
- df -h Shows information about the available disk space
- df / Shows how much free disk space is available
- dpkg --get-selections Shows all of your installed packages
- dpkg --get-selections | grep XXX Shows all of the installed packages that are related to XXX
- hostname -I Shows the IP Address of your Raspberry Pi

Shortcuts

- up and down arrow Cycle through previously typed commands
- tab key Peforms an auto-complete of name of a file or directory you are currently typing
- Ctrl + c Quit a currently running process
- Ctrl + d Exit a host session
- !! Repeat the last command executed