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Linux basics:

- users
  - home folder
    - *_/home/[username_here]_*
    - Also known as *~/*
      - So */home/Robin/Desktop* is the same as *~/Desktop* if I am logged in as "Robin"
  - root vs admin vs user
  - creating new users
    - *adduser*
- package manager
- Terminal
  - navigation
    - *pwd*
      - Current working directory
    - *ls*
      - list all files/folders/items
    - *cd*
      - change directory
    - *cd ..*
      - change directory up one
    - *mkdir*
      - make directory
    - *rm*
      - remove
      - *rm -d*
        - remove directory
  - file manipulation
    - *cat*
      - read a file and display contents
    - *mv*
      - move a file
    - *cp*
      - copy a file
  - editing

- - *nano* or *pico*
  - *less*
    - read a file, with pages and other functions
  - *man* [*FOO*]
    - manual for command
  - permissions
    - What they are
    - How to read them
      - rwx rwx rwx

Folders and locations in the OS that are useful to be aware of

- "/etc" is used for configurations (.conf files etc). here you find all the configs and settings for your system.
- "/usr" is used for "user programs". Usually your package manager installs all the binaries, shared files etc. from all programs here (except config files, which go to /etc). You can check /usr/bin for binaries, /usr/share for shared files (media, etc), /usr/share/doc for documentation,...
- There is also an "/opt" folder, where there are "other" programs usually put (mostly binary programs, or programs installed from other sources (not the default package manager). Some programs like that (usually compiled) also go to "/usr/local"
- "/var" is usually used for log files, 'temporary' files (like mail spool, printer spool, etc), databases, and all other data not tied to a specific user. Logs are usually in "/var/log", databases in "/var/lib" (mysql - "/var/lib/mysql"), etc.

Examples of content:

- https://sparkfuneducation.com/curriculum.html
  - SparkFun Education
  - Provides lesson plans, materials, handouts, etc
- http://www.makerspaceforeducation.com/raspberry-pi.html
  - Makerspace for Eduction
- https://www.raspberrypi.org/resources/learn/
  - RaspberryPi Organization
  - Direct source!
  - Lots of updated content
  - Very well organized
- http://www.geekgurldiaries.co.uk/
  - Geek Gurl Diaries
  - Can be inspirational
  - Not a lot of current content it seems