COMMAND LINE, DATA TYPES, & GIT

UNIX COMMANDS

`ls`	List the contents of the directory	`pwd`	Print working directory
`cd`	Change directories	`say`	Make your computer talk
`mkdir`	Make directory	`open`	Open a particular file in its default application
`rmdir`	Remove *empty* directory	`man`	Show the manual for a command
`rm`	Remove files or directories	`cat`	Show the contents of a file
`touch`	Create an empty file	`code`	Open Visual Studio Code
`echo`	Return a string	`subl`	Open Sublime Text
`clear`	Clear the terminal	`atom`	Open Atom

DIRECTORY NAVIGATION PATHS

`.`	The current folder
`..`	One folder above your current working directory
`~`	The home folder

DIRECTORY NAVIGATION COMMANDS

`cd myFolder`	go into `myFolder`
`cd ..`	go up one folder/directory
`cd ~`	go to home folder/directory
`cd`	shorthand for `cd ~`

GIT COMMANDS

`git init`	Create a new repository
`git status`	See the status of files in your repo
`git log`	Look at a list of commits
`git add filename`	Add file to the stage for committing
`git add .`	Shortcut command to add all changed files within the current directory and its descendants to the stage
`git commit -m "description of changes"`	Create a snapshot of your project. Requires a message (like "added comments throughout")
`git push origin master`	Push updates to GitHub, where `origin` is a common alias for the remote url and `master` is the default local branch
`git pull`	Pull updates from GitHub
`git remote -v`	View the remote Github push and pull URLs for the current directory

VARIABLES

Declaring a variable:	`let age;`
Assigning a variable:	`age = 29;`
Both in one step:	`let age = 29;`

EQUAL SIGNS

`=`	*assigns value on right to object on left*
`===`	*evaluates whether values on left and right are the same*

DATA TYPES

String	Literal characters, enclosed in quotes	`"about"`
Number	Numbers treated as numeric values (not in quotes)	`15`
Array	Collection of data	`["Larry","Curly",15,42]`

ARITHMETIC OPERATORS

`+`	*add (also concatenates strings)*
`-`	*subtract*
`*`	*multiply*
`/`	*divide*
`%`	*modulus (remainder)*

SPECIAL NUMBER OPERATORS

`Math.pow(m,n)`	*Returns m to the power of n*
`Math.sqrt(n)`	*Returns the square root of n*
`Math.random()`	*Returns a random number between 0 (inclusive) and 1 (exclusive)*
`Math.floor(n)`	*Returns largest integer less than or equal to n*
`Math.ceil(n)`	*Returns smallest integer greater than or equal to n*

COMPOUND OPERATORS

`+=`	*adds a number to a variable and assigns the new value to the same variable*
`-=`	*subtracts a number from a variable and assigns the new value to the same variable*
`++`	*adds 1 to a value*
`--`	*subtracts 1 from a value*

FOLDER RELATIONSHIPS

📁 Sasha
  └ 📁 JSD
      ├ 📁 Feedr
      ├ 📁 Final Project
      │   ├ 📁 img
      │   └ 📁 js
      ├ 📁 JS-SF-13-homework
      ├ 📁 JS-SF-13-resources
      └ 📁 hubot

JSD is the **parent** folder of Feedr.

Feedr is a **child** folder of JSD.

img and js are **sibling** folders because they share a parent.

hubot is a child folder of JSD and a **descendant** folder of Sasha.