

COMMAND LINE, DATA TYPES, & GIT

UNIX COMMANDS

ls	List the contents of the directory
cd	Change directories
mkdir	Make directory
rmdir	Remove <i>empty</i> directory
rm	Remove files or directories
touch	Create an empty file
echo	Return a string
clear	Clear the terminal

pwd	Print working directory
say	Make your computer talk
open	Open a particular file in its default application
man	Show the manual for a command
cat	Show the contents of a file
code	Open Visual Studio Code
subl	Open Sublime Text
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 <i>filename</i>	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

EQUAL SIGNS

Declaring a variable: let age;

Assigning a variable: age = 29;

Both in one step: let age = 29;

=	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

SPECIAL NUMBER OPERATORS

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

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
<pre>Math.ceil(n)</pre>	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

