TABLE OF CONTENTS

BASIC TERMINAL COMMANDS

USING THE SHELL	
Prompt:	`username@host-name:~/currentDir`
Command Syntax:	`[command] [options] [arguments]`
Example: Command **echo** outputs argument “Hi” Example: Command **ls** used with option -a	`echo "Hi"` `ls -a`
View documentation for a command	`man command`
Send output of command as input to another	`output_command | input_command`
DIRECTORIES: MOVING AROUND	
Print working directory	`pwd`
Move to a new directory	`cd NewDirectoryName`
Move to home directory	`cd`
Move up a directory	`cd ..`
Absolute path: From root to dir1	`/Users/anita/courses/dir1`
Relative path: From current directory to dir1	`./courses/dir1`
Root directory	`/`
Home directory	`~`
Current directory	`.`

LISTING FILES AND DIRECTORIES	
List all files & directories in the current directory	`ls`
Options: **`-l`** (Long listing): includes permissions & information **`-a`** (All): includes hidden files & folders (.file) **`-s`** (Size): include file size in listing	`ls -l` `ls -a`
Multiple options: **`-la`**: Long listing Include hidden files & folders	`ls -la`
List files in a specific directory (relative filepath)	`ls DirectoryToList`
CREATING, MOVING & DELETING DIRECTORIES	
Create new directory	`mkdir NewDirName`
Move a directory	`mv ToMove NewLocation`
Example: Move documents up a directory	`mv documents ../`
Delete a directory (Recursively delete all contents)	`rm -r DirectoryToDelete`
CREATE & INSPECT FILES	
Create a new empty file	`touch NewFile`
Example: Create new empty SQL file	`touch MyDatabase.sql`
Open nano editor to create or edit files	`nano Filename`
Create or overwrite file with “NewText”	`echo "NewText" > Filename`
Append “NewText” to end of a file	`echo "NewText" >> FileName`
Display number of lines, words, and characters	`wc Filename`
Display file text to the console	`cat Filename`
View first N lines of a file	`head -N Filename`
View last N lines of a file	`tail -N Filename`
Delete file	`rm Filename`

SETTING UP YOUR ENVIRONMENT

Download git folder	`gh repo clone anirusso/cstutor-sql`
Enter folder	`cd cstutor-sql`
Create workspace	`mkdir workspace`
Enter workspace	`cd workspace`

Ensure data is accessible
Should output:
	`head -3 ../data/Restaurant.sql`
	`BEGIN TRANSACTION;`
	
	`CREATE TABLE Dish (`

COMMAND LINE FOR SQLITE

Download SQLite (**LINUX**)	`sudo apt install sqlite3`
Create database	`sqlite3 *DatabaseName.db*`
Read an SQL File	`.read *FileToRead.sql*`
Example: Runs commands in Restaurant.sql	`.read ../data/Restaurant.sql`