TERMINAL

SETUP

Mac

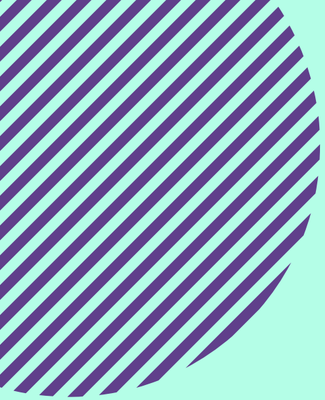
Open up the built-in terminal app

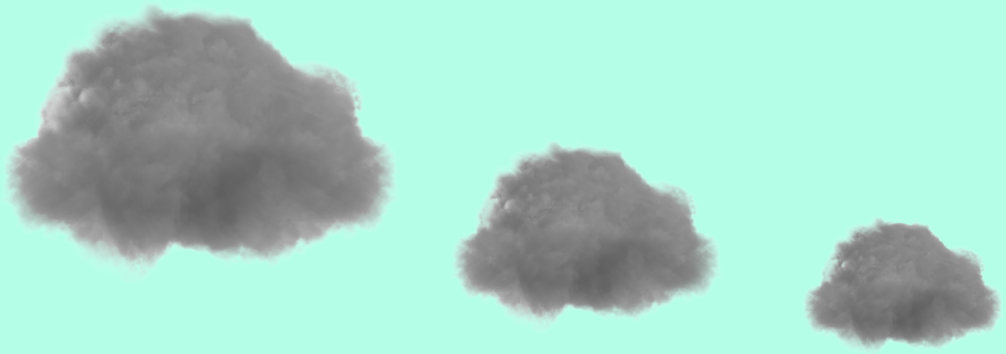
PC

Enable Windows Subsystem
(follow the linked tutorial)

WHY

DO YOU NEED TO KNOW THIS?





Speed!

Develop Faster

The terminal takes some getting used to, but it can be MUCH faster than using a GUI.

Access

With Great Power...

The terminal provides a "mainline" into the heart of our computer, giving us access to areas we normally don't interact with.

Tools!

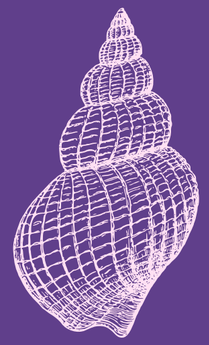
Many of the tools we need are installed and used via the command line. We don't have much of a choice!

Confusing Terminology

Terminal?
Shell?
Command Line?
Console?
Bash?

Terminal

A TEXT-BASED INTERFACE TO YOUR COMPUTER. ORIGINALLY A PHYSICAL OBJECT, BUT NOW WE USE SOFTWARE TERMINALS



Shell

THE PROGRAM RUNNING ON THE TERMINAL.

A QUICK ANALOGY!

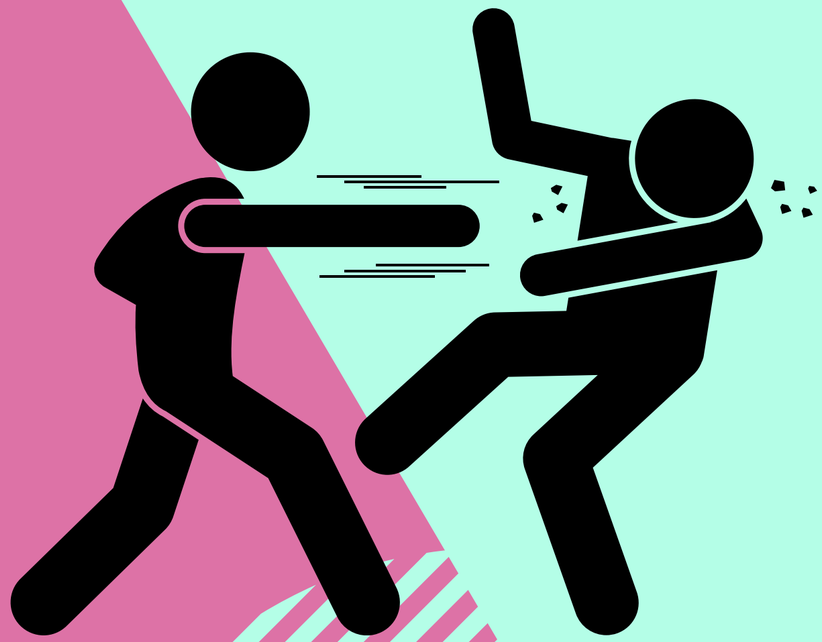
TERMINAL

In this stupid analogy, the ATM is the terminal

SHELL

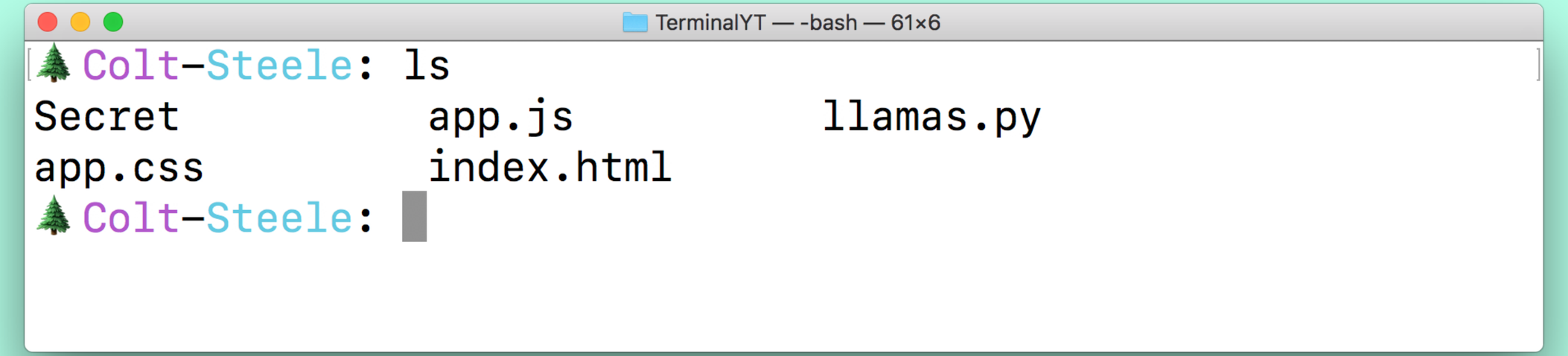
The software running on the ATM is the shell

BASH



ONE OF THE MOST POPULAR SHELLS
(AND THE DEFAULT ON A MAC)

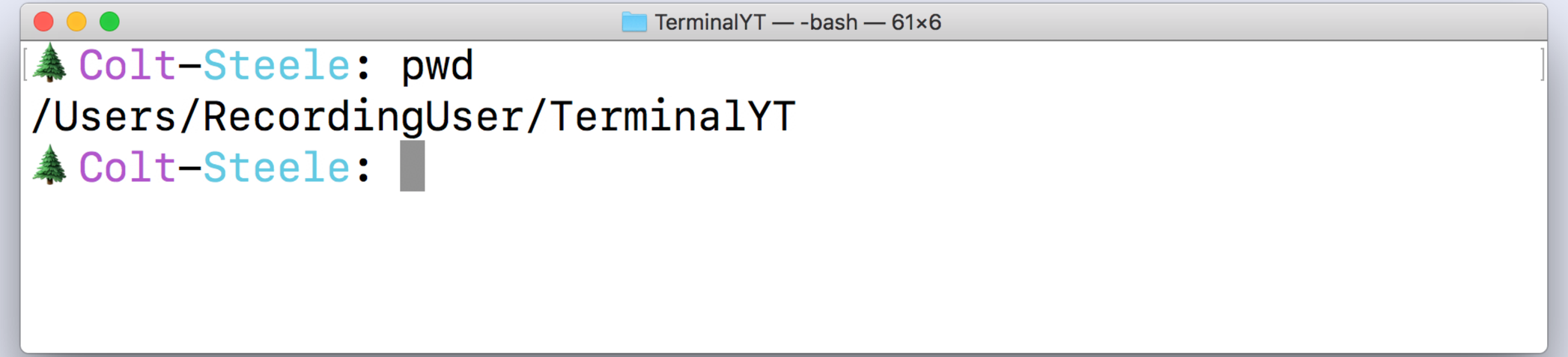
LS



List

Use *ls* to list the contents of your current directory

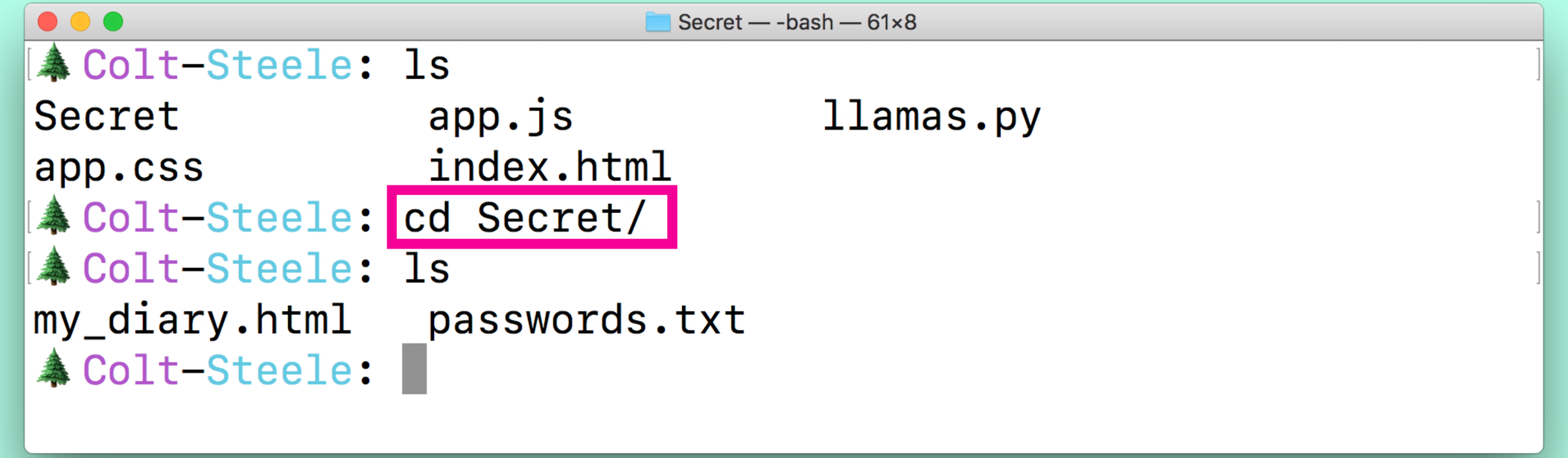
PWD



Print Working Directory

Prints the path to the working directory
(where you currently are)

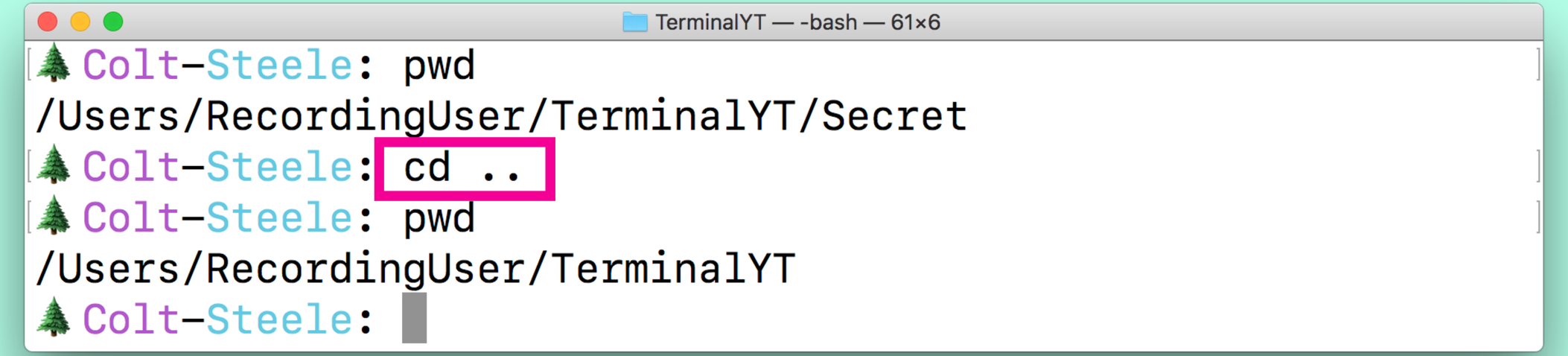
C D



Change Directory

Use *cd* to change and move between folders

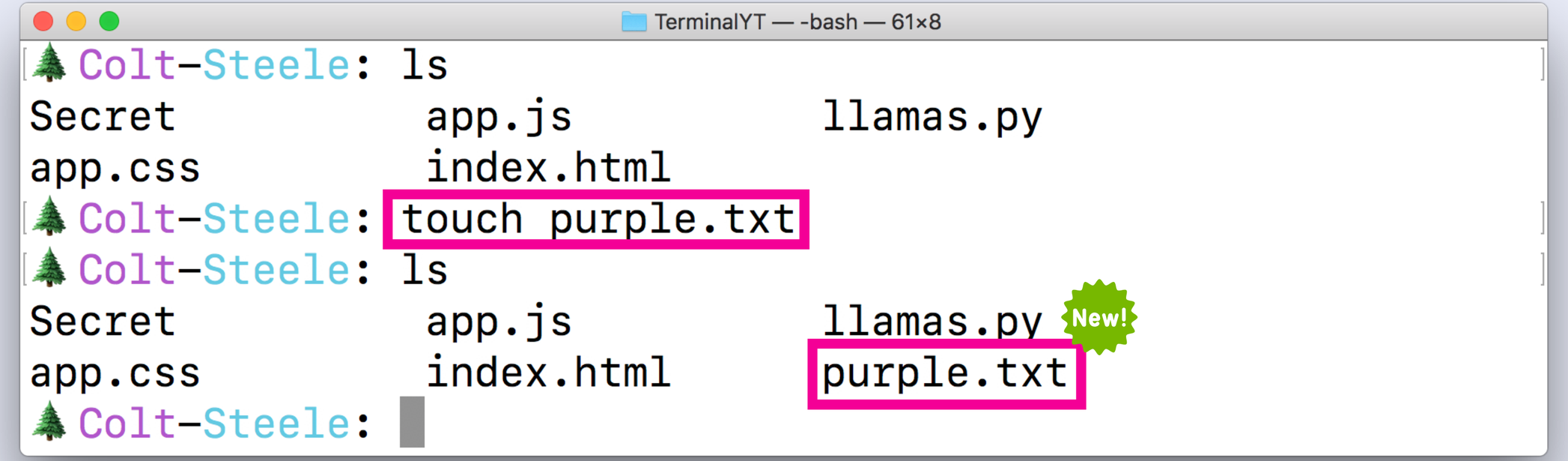
CD



cd ..

Use *cd ..* to "back up" one directory

touch

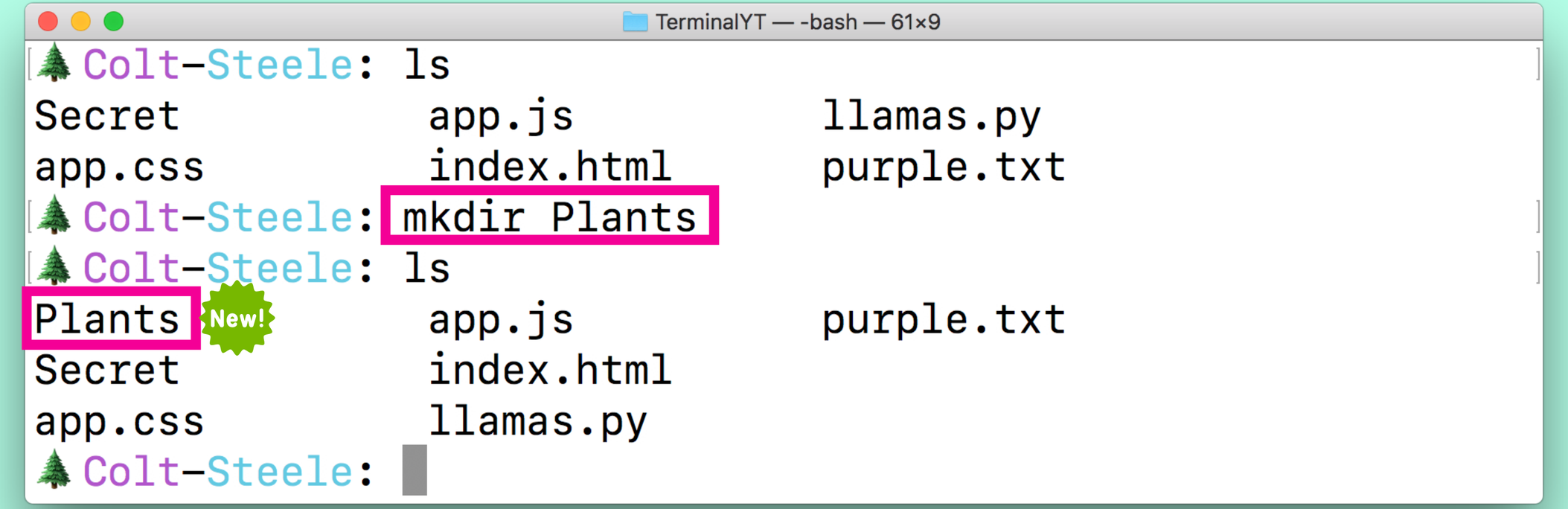


Touch

Use *touch* to create a file (or multiple)

Yes, the name is weird...

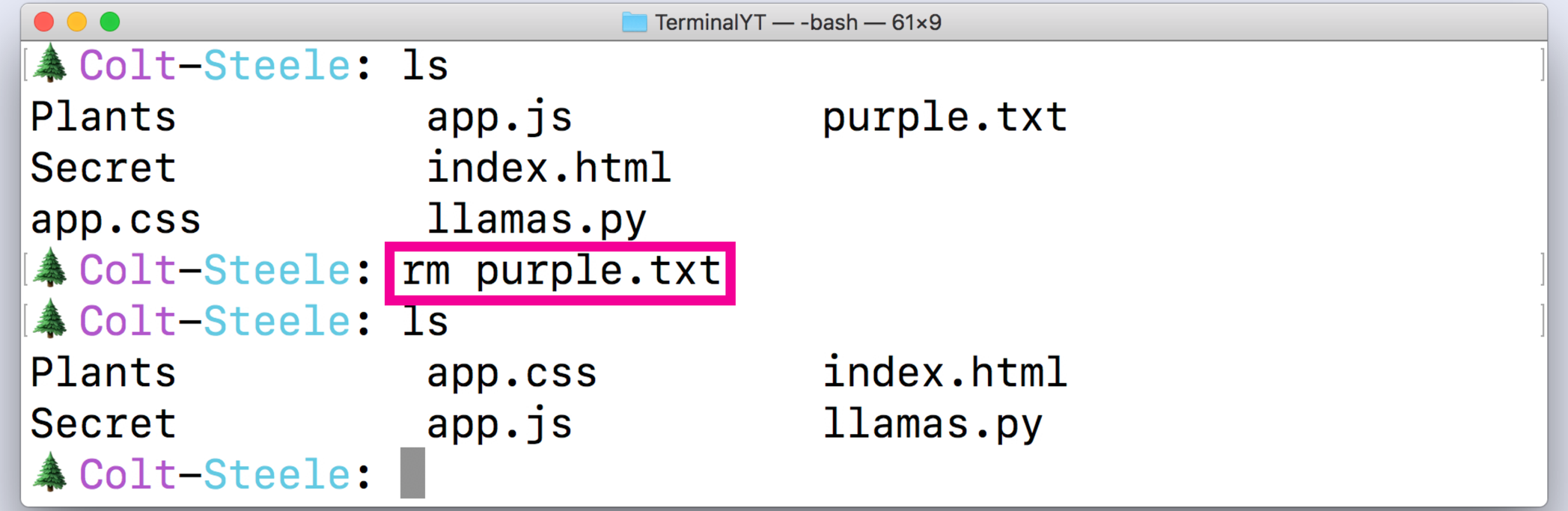
mkdir



mkdir (make directory)

mkdir will create a new directory (or directories)

r
m



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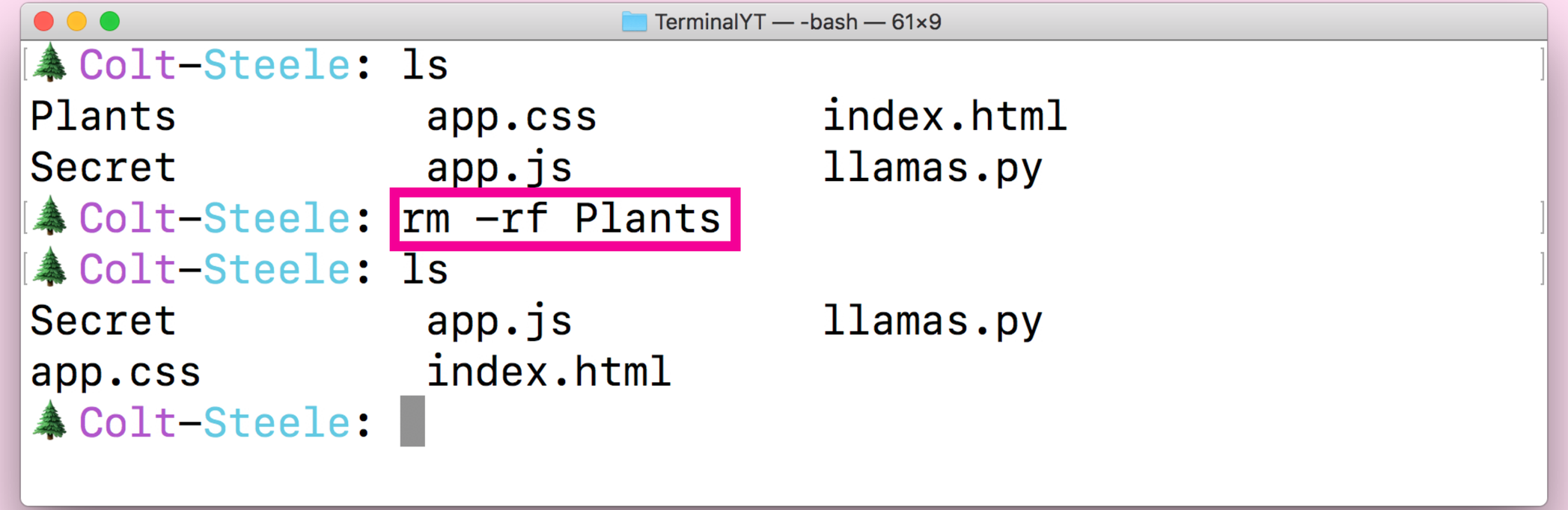
rm

rm will delete a file or files

It permanently removes them!

r
m



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rm -rf

use *rm -rf* to delete a directory
(r = recursive, f = force)