

Nation Code

Command lines and git

The basics

{codenation}[®]

Learning Objectives


- How to use the terminal
- To understand Mac command line interface
- To use simple Mac command syntax

The terminal

**A way of navigating
through our files**

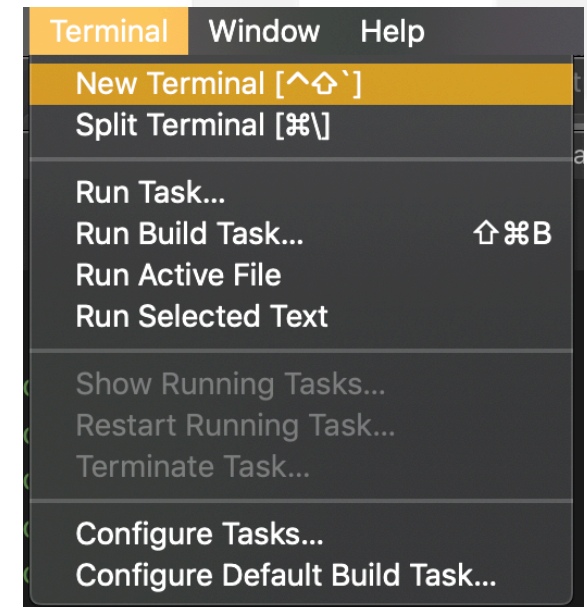
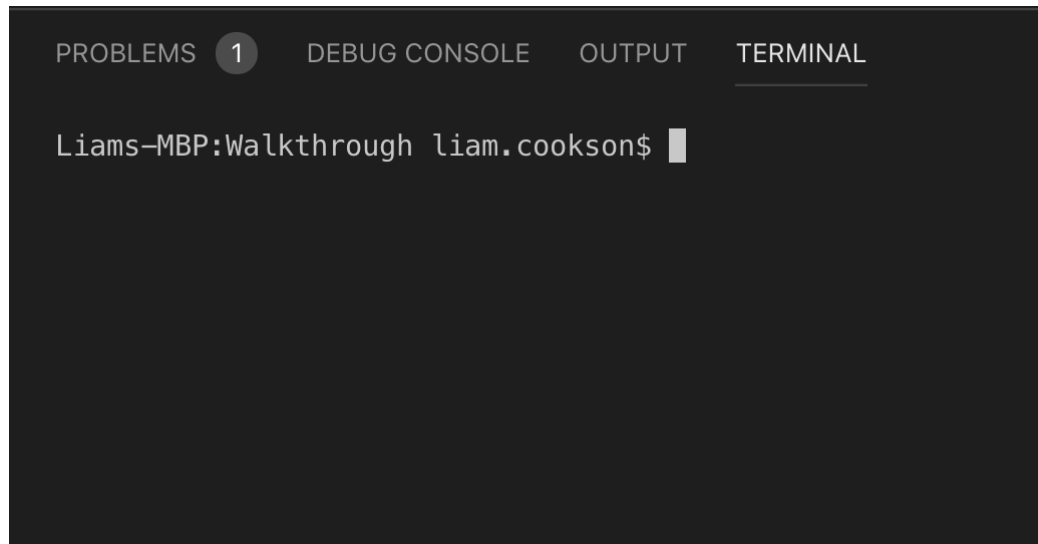
Two ways of finding and using terminal

Finding the Terminal

- Hold down the **command** key and hit the **spacebar**.
- The "search bar" will pop up.
- Type: **terminal**
- Click on the Terminal application that looks kind of like a
- black box. 
- This will open Terminal.
- (You can now go to your dock and CTRL-click to pull up the menu, then select **Options->Keep in dock**.)

Finding the Terminal

- On VSCode, click **Terminal** where we usually see the debug console.
- Or, click Terminal > New Terminal on the top menu



In your terminal

```
CodeNations-MacBook-Pro:~ codenation$
```

Three large, light gray decorative shapes are positioned on the right side of the slide: a curved line, a vertical bar, and another curved line.

Laptop name,
usually your name

Laptop name,
usually your name

CodeNations-MacBook-Pro:~ codenation\$

Laptop name,
usually your name

Laptop name,
usually your name

CodeNations-MacBook-Pro:~ codenation\$

Each command will be prepended by a \$,
you type your command after the \$.

This is called the command line prompt.

Common practice...

This example below includes the prompt \$ and command whoami. This means I want you to type the command whoami only (and ignore the \$).

whoami

But where am I?

Print Working Directory

pwd

```
pwd  
/Users/codenation/
```

**This shows
where you are
now**

Did you know...

If you are using VS Code terminal. You can just drag and drop the directory to the VSCode logo (on your desktop), the terminal will preset to the location right away.

**We need to navigate to
the directory we want**

Directory?

Folder and directory are the same thing, and they are used interchangeably.

When you open your file browser on your computer to graphically find files, you are walking through folders/directories.

List files and directories

ls

ls
Applications
Desktop
Documents
...
Downloads
Library

ls gives you a
list of what's in
this directory,
so you can
choose where
to go next!

Change current directory

`cd`

Is
Applications
Desktop
Documents
...
Downloads
Library

**If I want to go
into Desktop...**

cd Desktop

**If I want to go
into Desktop...**

cd Desktop/demo

You can go direct to a directory inside another directory, for example, in this case, you are going to the demo folder on Desktop, so the path would be Desktop/demo

If you want to go back?

cd ..

**This will take
you to go back
one directory**

```
cd ../../
```

**Or two previous
directories, and
so on...**

If you got lost?

cd ~

Takes you home

Too much on the screen?

clear

**Exit and close
the terminal**

I want to go!

exit

**Exit and close
the terminal**

Remember...

Best practice

Best to name all your files/folder using:

- small letters only
- no spaces

**It saves us so much
misery.**

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Activity:

There are many more syntax you can learn so you can do more using the terminal, explore these and find out what they do:

- mkdir
- rmdir
- touch
- rm