C+	+	2
	Compile C++	2
	Execute C++	2
Git		3
	Cloner repo	3
	Check for changes and push	3
	Create branch	3
	Update Repo	3
Z Shell		4
	Localiser language	4
	Afficher/Masquer fichiers cachés	4
	Convert a file in the Terminal Zsh	4
OCaml		5
	Localiser package	5
	Compiler	5
	Exécuter	5
	Compiler/Executer with dune	5
	OWL for Ocaml	6

C++

Compile C++

g++ -o out /Users/guillaume/Downloads/Perso/Informatique/C++/Test/
main.cpp

Execute C++

./out

Git

Cloner repo

git clone git@github.com:johnny-zhong/ImperialQuantLibMentoring.git /
Users/guillaume/Downloads/Perso/Informatique/Mentoring

Check for changes and push

```
cd /Users/guillaume/Downloads/Perso/Informatique/Mentoring
git checkout Guillaume-branch
git diff main..your-branch-name
git add file1.txt  # Stage a specific file
git add .  # Stage all changes
git commit -m "some comment"
git push origin your-branch-name:main
```

Create branch

git checkout -b branch-name

Update Repo

cd /Users/guillaume/Downloads/Perso/Informatique/Mentoring
git pull

Z Shell

Localiser language

which ocaml

Afficher/Masquer fichiers cachés

defaults write com.apple.finder AppleShowAllFiles YES defaults write com.apple.finder AppleShowAllFiles NO

Convert a file in the Terminal Zsh

convert /Users/guillaume/Downloads/Perso/Informatique/OCaml/oui /Users/ guillaume/Downloads/Perso/Informatique/OCaml/oui.png

OCaml

Localiser package

ocamlfind query package name

Compiler

#Graphics

ocamlfind ocamlc -o /Users/guillaume/Downloads/Perso/Informatique/OCaml/MonteCarlo -I /Users/guillaume/.opam/4.14.0/lib/graphics graphics.cma / Users/guillaume/Downloads/Perso/Informatique/OCaml/MonteCarlo.ml

#CSV

ocamlfind ocamlc -o /Users/guillaume/Downloads/Perso/Informatique/OCaml/test -linkpkg -package csv /Users/guillaume/Downloads/Perso/Informatique/OCaml/test.ml

Exécuter

ocamlc -o /Users/guillaume/Downloads/Perso/Informatique/OCaml/test / Users/guillaume/Downloads/Perso/Informatique/OCaml/MonteCarlo.ml

Compiler/Executer with dune

Here is a small example of how to use Dune. In the same directory as hello.ml, create a file named dune and put the following in it:

```
(executable
  (name hello))
```

That declares an executable (a program that can be executed) whose main file is hello.ml.

Also create a file named dune-project and put the following in it:

```
(lang dune 3.4)
```

That tells Dune that this project uses Dune version 3.4, which was current at the time this version of the textbook was released. This project file is needed in the root directory of every source tree that you want to compile with Dune. In general, you'll have a dune file in every subdirectory of the source tree but only one dune-project file at the root.

Then run this command from the terminal:

```
dune build hello.exe
```

Dune will create a directory _build and compile our program inside it. That's one benefit of the build system over directly running the compiler: instead of polluting your source directory with a bunch of generated files, they get cleanly created in a separate directory. Inside _build there are many files that get created by Dune. Our executable is buried a couple of levels down:

```
build/default/hello.exe
```

But Dune provides a shortcut to having to remember and type all of that. To build and execute the program in one step, we can simply run:

dune exec ./hello.exe

Dune build file.exe
_build/default/file.exe
Dune clean

OWL for Ocaml

https://www.cl.cam.ac.uk/~lw525/owl/chapter/plot.html