Learn you ALL Programming Languages .....in 30 minutes!

By Wally

Which languages should I use ?

C/C++, Java, Python, Scala Haskell...

Understanding the question

01 New programmer: which language should I use to learn programming

02 Experienced programmer: which language should I use for a project / for my team.

03 A new programming language just come out, should I learn it?

Answer?

Answer ?

It depends!

How to learn a new language... fast?

How to learn all languages... fast?

Language Features vs. Languages

- Dell XPS 15
- Intel® Core™ i7-8750H
- 32GB DDR4-2666MHz
- NVIDIA® GeForce® GTX 1050Ti

- ThinkPad X1C
- Intel® Core™ i7-8650U
- 16GB LPDDR3 2133MHz
- Integrated Intel® UHD Graphics 620

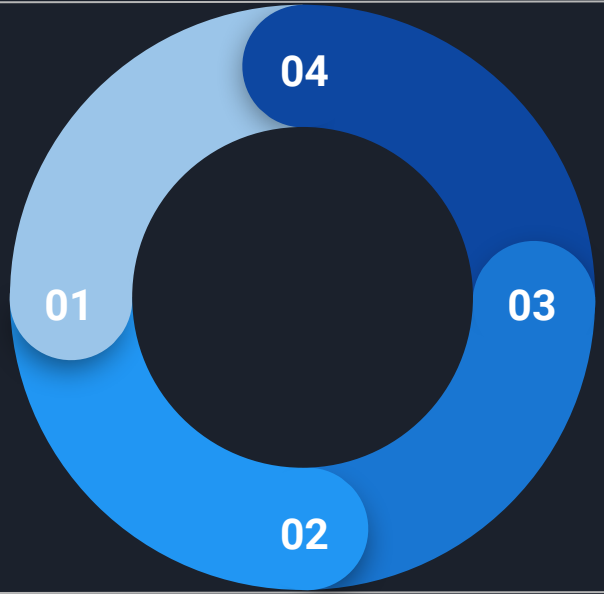
Language Features

Variable & Types

Static vs. Dynamic, Strong vs. Weak, Type inference...

Control Flow

Condition statements, Loop statements



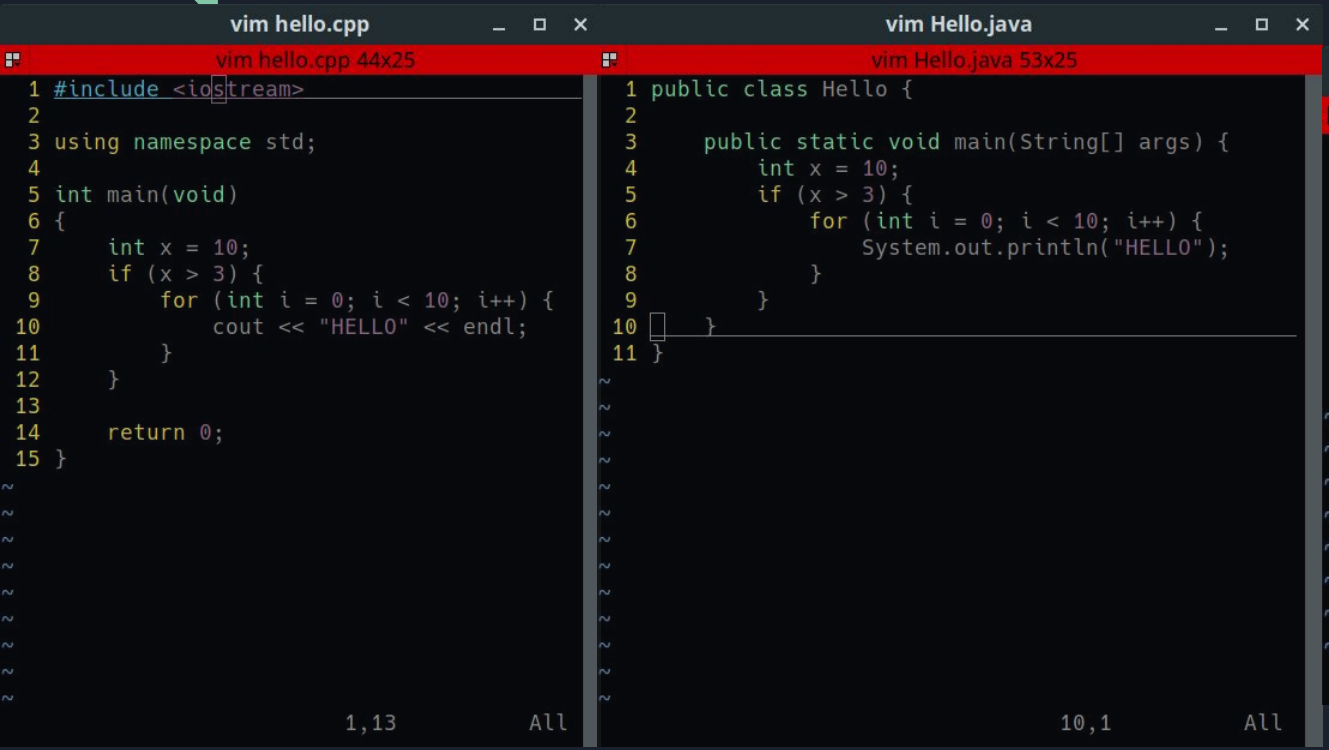
Other

Community, Toolchain, License

Structure

Functions, Classes, Memory Management

Languages Comparison



Special Language Features

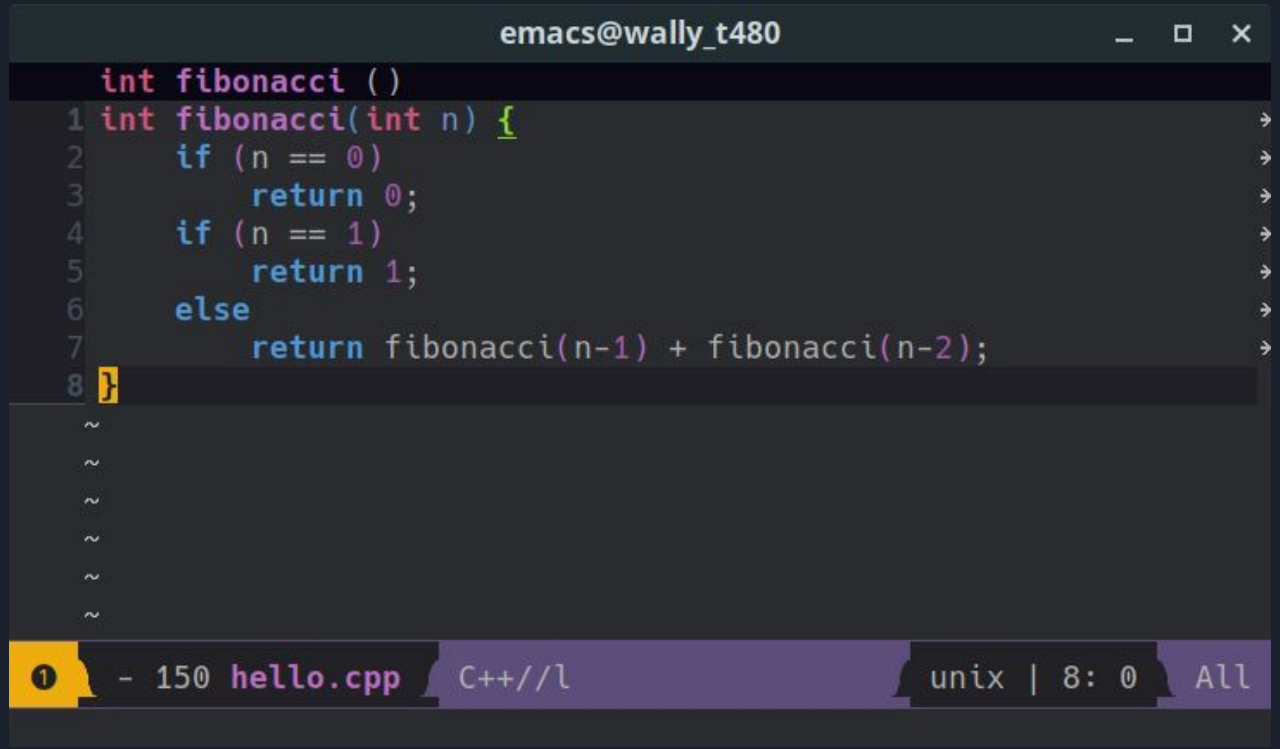
- C++: Multiple Paradigm, High Performance
- Rust: Ownership memory management, zero-cost abstraction
- Go: Goroutine, high concurrency
- Haskell: First-class and higher-order functions
- Python: Quick scripting & deploying

Programming Paradigm

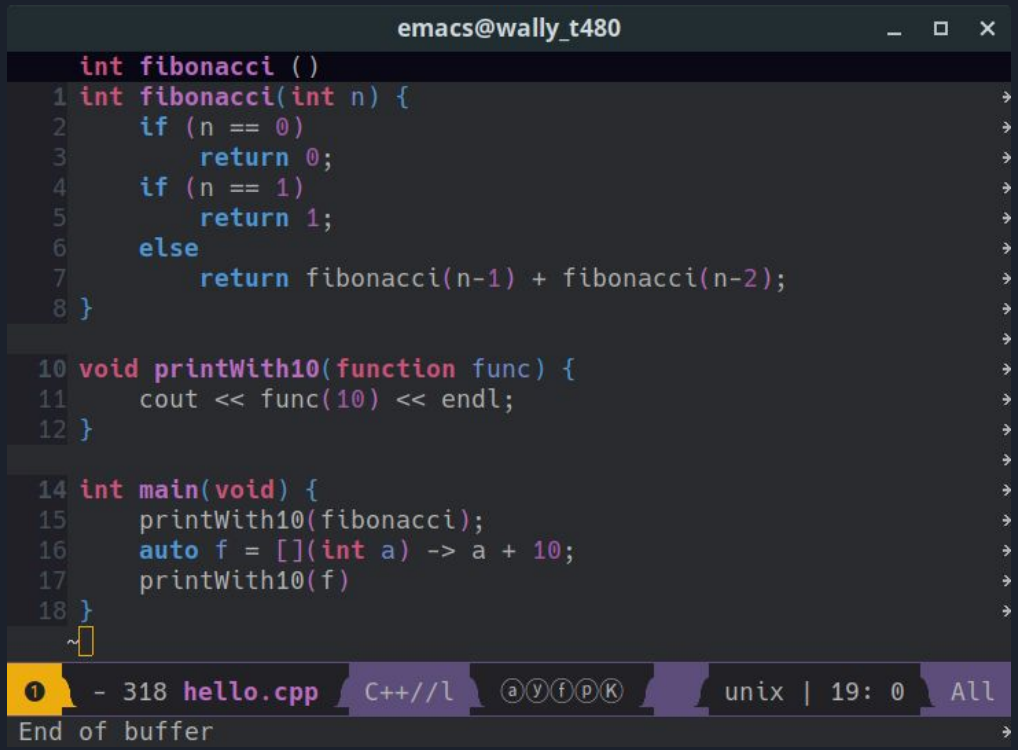
- Procedural Programming
- Object-Oriented Programming
- Functional Programming*

Functional Programming

Procedural Programming



Function as variable




Questions?