

Introduction

Effective Programming in Scala

Welcome!

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 - Be confident that the code you write does what you expect
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 - Collections
 - Error handling
 - Concurrency
 - Testing
 - Know which tool to pick for which job

How to Get There?

Throughout this course, our common thread is:

How can Scala help you solve business problems?

We will always start by looking at concrete problems, and then see how language features or libraries can make you more productive to solve these problems.

Content

Every week contains ~1h30 of video lectures.

Each lecture is a short lesson (\sim 10 minutes) focused on a specific skill or language feature.

Lessons are generally followed by a quiz to assess the skills you learned.

At the end of each week, you have the opportunity to put things in practice by implementing a concrete project.

Only projects are graded (not quizzes).

Syllabus

- Week 1: language syntax, definitions, expressions, conditions, evaluation, domain modeling
- ► Week 2: generic data types, loops,
- ▶ Week 3: build tools, developer workflow, modules, encapsulation,
- Week 4: reasoning about code, testing,
- Week 5: let the compiler write code for you based on type information,
- ► Week 6: error handling, concurrency.

Team

Instructors





Julien Richard-Foy & Noel Welsh

Scala bridge

Acknowledgements



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Happy Learning!

- ► Set up your development environment
- ► Enjoy the course!