

Instructor

Backend developer for 10+ years

Author of Monocle

Run meetups and in-house Scala training

Practical concepts of functional programming

Why FP matters to you, your colleagues and your business?

Become a Scala expert



Prerequisites

Basic understanding of the Scala syntax

Answers and tests

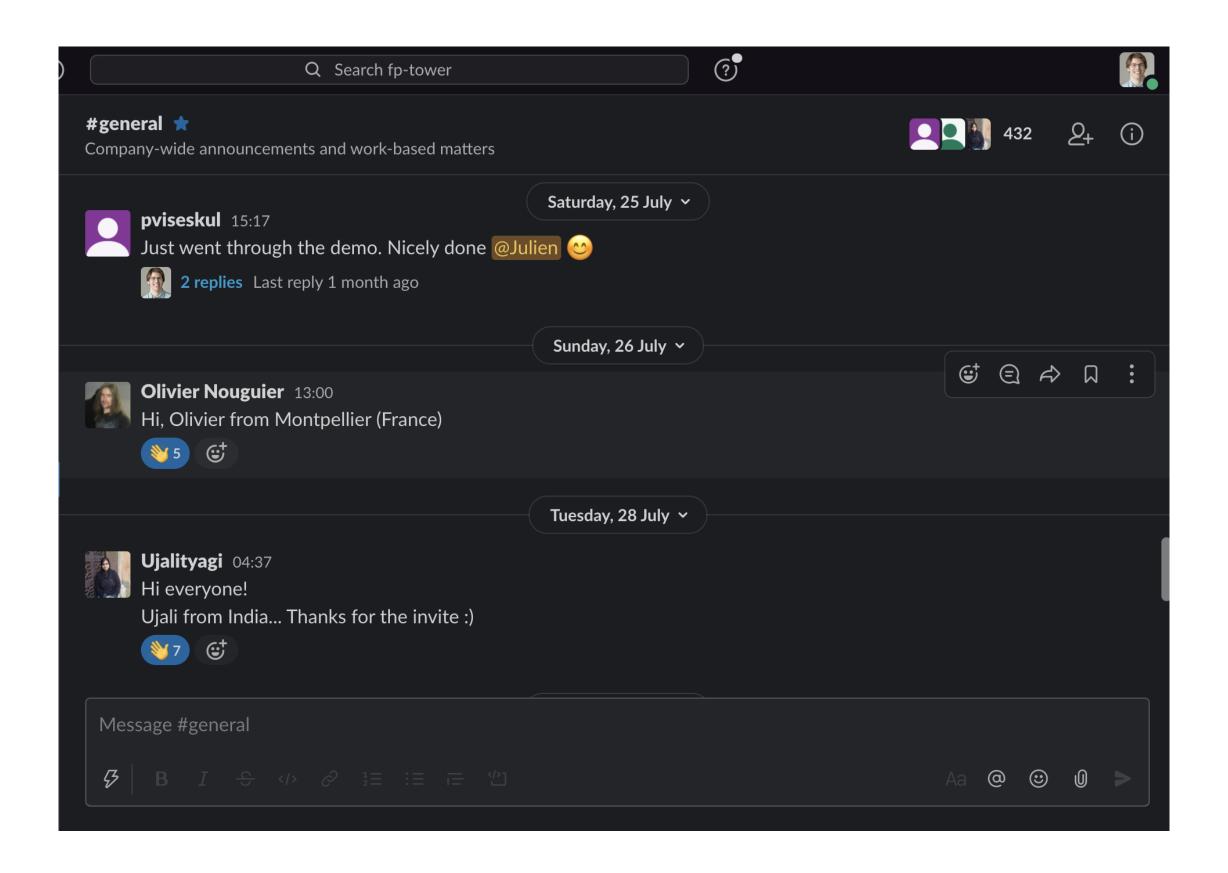
```
object GenericFunctionAnswers {
Jobject GenericFunctionExercises {
 // Exercise 1: Pair
                                                               11
                                                                          // Exercise 1: Pair
 val names: Pair[String] = Pair("John", "Elisabeth")
                                                                          val names: Pair[String] = Pair("John", "Elisabeth")
                                                              ___ 14
 val ages: Pair[Int]
                                                              15
                                                                          val αges: Pair[Int]
                      = Pair(32, 46)
                                                                                               = Pair(32, 46)
 case class Pair[A](first: A, second: A) {
                                                                          case class Pair[A](first: A, second: A) {
                                                              <del>-</del> 17
   // la. Implement `swap` which exchanges `first` and `second`
                                                              = 18
   // such as Pair("John", "Doe").swap == Pair("Doe", "John")
                                                              ____20
   def swap: Pair[A] =
                                                                            def swap: Pair[A] =
     ???
                                                                              Pair(second, first)
                                                              ____21
```

```
[info] ScalaTest
[info] Run completed in 280 milliseconds.
[info] Total number of tests run: 67
[info] Suites: completed 5, aborted 0
[info] Tests: succeeded 67, failed 0, canceled 0, ignored 0, pending 0
[info] All tests passed.
[info] Passed: Total 67, Failed 0, Errors 0, Passed 67
[success] Total time: 1 s, completed 27 Aug 2020, 16:10:38
sbt:foundation>
```

Refactoring, syntax and IDE tips, testing strategies

INSERT exercise video sample

Online community



Plan

- 1. Value functions
- 2. Generic functions
- 3. Parallel data processing

- 4. What's functional programming
- 5. Actions
- 6. Error handling

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