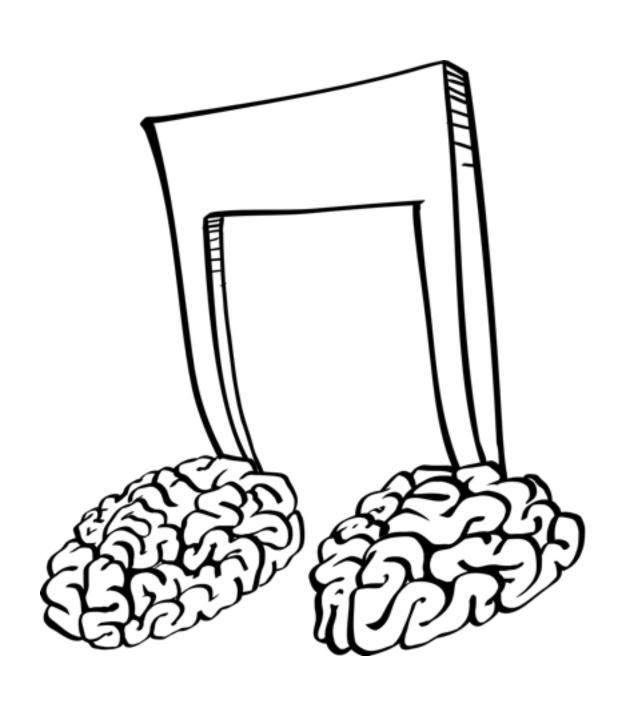
Scala Parser Combinators

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```
class PlusMinusParser extends JavaTokenParsers (
      def expr: Parser[Int] = targetActual <~ comment
      def targetActual: Parser[Int] = duration ~ duration ~ ( case target-actual => actual-target )
      def comment: Parser[String] = """.*"".
      def duration: Parser[Int] = day | hourMinute
       def day: Parser[Int] = num ~ "d" ~ { days => days*MinutesPerDay}
      Jef hourMinute: Parser[Int] = hour-minute ~ { case h-m => h+60 + m }
       det hours Parser(Int) = numo-"h"
                      rser[Int] = numer"""
                           [] = wholeNumber ~ { _.toInt }
Slides are boring... Show me
        the code!!!
                           = 7*60 + 42
       def apply( nput :String):Int = parseAll(expr, input) match {
          case Success(result, _) => result
                                            new RuntimeException(msg)
          case NoSucc
                                   (System (Library/)ava/)avaVirtualMachines/1.6.0.jdk/Contents/Home/bin/java -Did
                                   10 of 10 (9.84 s)
```

- Easy to learn and use
- Good example of an internal Scala DSL
- Great extensibility and maintainability
- Suitable for parsing small to medium sized input



It is difficult, if not impossible, for anyone to learn a subject purely by reading about it, without applying the information to specific problems and thereby forcing himself to think about what has been read. Furthermore, we all learn best the things we have discovered ourselves.

Donald Knuth • The Art of Computer Programming

Wana leann more?



https://github.com/AlexanderDaniel/parser-combinators#resources