

SCALA

FOR FUN & PROFIT

Will Hamill
James Hughes



FIRE!

SAFETY FIRST

*Sign the Sheet or
Burn to Death*



SCALA

FOR FUN & PROFIT

Introduction



SCALA

The Language



SCALA

Tools, Libraries
& Frameworks

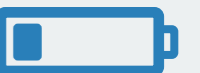


- Build
- Web & APIs
- Testing
- Data Access
- Other stuff?

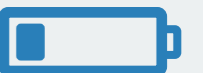


SCALA

Just because you
can, doesn't mean
you should...



```
object SquareRoot extends Baysick {  
  def main(args:Array[String]) = {  
  
    10 PRINT "Enter a number"  
    20 INPUT 'n  
    30 PRINT "√ of " % "'n is " % SQR('n)  
    40 END  
  
    RUN  
  }  
}
```

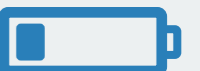



```

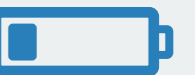
implicit def CokleisliCategory[M[_]: Comonad]:
  Category[({type  $\lambda[\alpha, \beta]=\text{Cokleisli}[M, \alpha, \beta]$ })# $\lambda$ ] =
    new Category[({type  $\lambda[\alpha, \beta]=\text{Cokleisli}[M, \alpha, \beta]$ })# $\lambda$ ] {
      def id[A] =  $\star$ (_ copure)

      def compose[X, Y, Z](
        f: Cokleisli[M, Y, Z],
        g: Cokleisli[M, X, Y]) = {
        f ==> g
      }
    }

```



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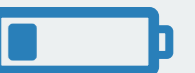


```

def ` ` = ""
def scala = ""
object ` ` { def ` (s: String) = "scala" }
object ` { def apply(s: String) = ` ` }

` (`) ` scala

```



SCALA

Learning Scala





/Users/james/Projects/hello-...

Open ▾

app/controllers/MessageController.scala

revert

save

/ app / controllers

scala / 497.00 b

MainController.java

MessageController.scala

```
1 package controllers
2
3 import play.api.mvc.{Action, Controller}
4 import play.api.libs.json.Json
5 import play.api.Routes
6
7 case class Message(value: String)
8
9 object MessageController extends Controller {
10
11     implicit val fooWrites = Json.writes[Message]
12
13     def getMessage = Action {
14         Ok(Json.toJson(Message("Hello from Scala")))
15     }
16
17     def javascriptRoutes = Action { implicit request =>
18         Ok(Routes.javascriptRouter("jsRoutes")(routes.javascript.MessageController.getMe
19     }
20
21 }
```



- Scala for the Impatient
- Scala School
- Coursera
- PragPub Magazine



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Lets Talk...

