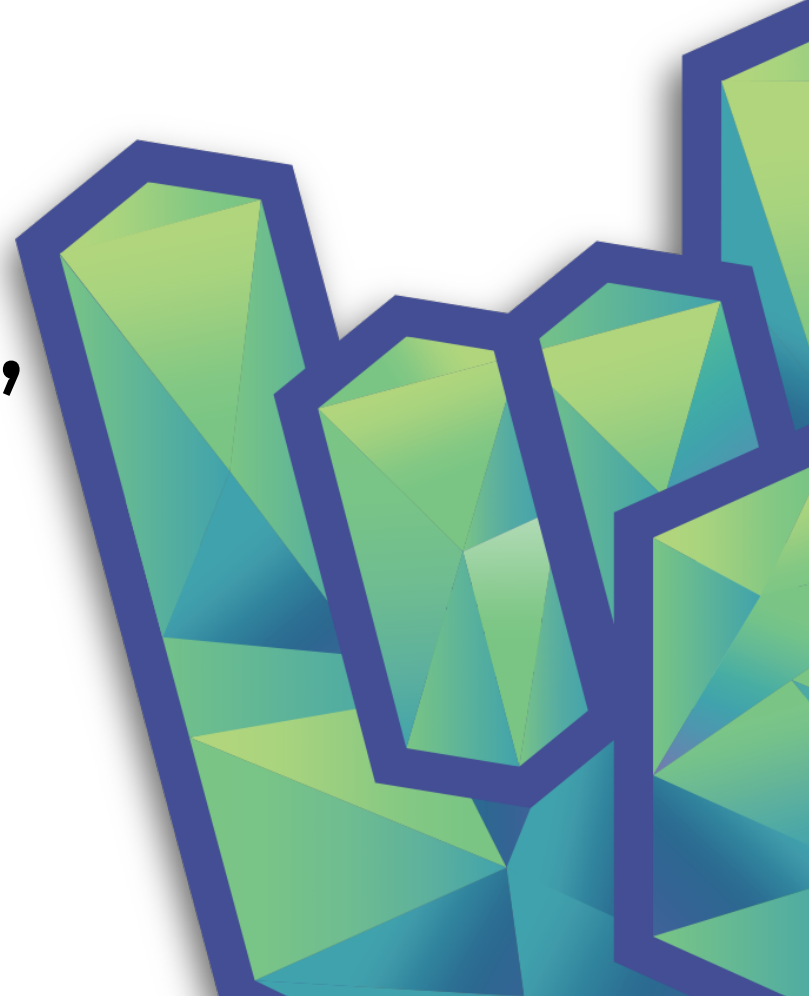


What's a Function, Really?



Takeaways

We want to work with *functions*:

- pass functions as parameters
- use functions as values

Problem: Scala works on top of the JVM

- designed for Java
- first-class elements: *objects* (instances of classes)

Solution: ALL Scala functions are objects!

- function traits, up to 22 params
- syntactic sugar function types

```
trait Function1[-A, +B] {  
  def apply(element: A): B  
}
```

```
Function2[Int, String, Int]
```

```
(Int, String) => Int
```

Scala rocks

