

Call-by-Name & Call-by-Value



Takeaways

Call by value:

- value is computed before call
- same value used everywhere

```
def myFunction(x: Int): String = ...
```

passed here

```
val y = myFunction(2)
```

actual value

Call by name:

- expression is passed literally
- expression is evaluated at every use within

```
def myFunction(x: => Int): String = ...
```

```
val y = myFunction(2)
```

NOT a value

an expression!

Scala rocks

