

# Expressions



# Takeaways

```
val x = 3 + 5
val xIsEven = x % 2 == 0
val xIsOdd = !xIsEven
```

Basic expressions: operators

```
val cond: Boolean = ...
val i = if (cond) 42 else 0
```

If in Scala is an *expression*

```
val x = {
  val cond: Boolean = ...
  if (cond) 42 else 0
}
```

*code blocks* in Scala are *expressions*

the value of the block is the value of its last expression

## Expressions *vs.* instructions

- instructions are *executed* (think Java), expressions are *evaluated* (Scala)
- in Scala we'll think in terms of *expressions*

Do NOT use while loops in your Scala code or I'll haunt you.



**Scala rocks**

