

Programming for Everybody

2. Control Flow

Control flow

Control flow allows us to select different outcomes depending on a condition

Ruby's **if statements** evaluate an expression to either **true** or **false**

If that expression is true -> Ruby executes the block of code that follows the if

If it's not true -> Ruby doesn't execute that block of code and goes on to the next thing

If, else & elsif

IF

To evaluate one condition only

ELSE

To evaluate two conditions

“If this expression is true, run this code block; otherwise, run the code after the **else** statement.”

ELSIF

When we want to have more than two options

Unless

Used to check if a condition is **false**

Ex: you don't want something to happen **unless** a certain condition is met

Relational operators

== equal (different from =)

!= not equal

< less than

<= less than or equal to

> greater than

>= greater than or equal to

Boolean operators

Always return **true** or **false**

Check if two conditions are true/false **simultaneously**

AND (&&)

Evaluates to true when **both** expressions on either side of && are true

OR (||)

Evaluates to true **when one or both** expressions on either side of || are true

Thank you! :)