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## CoffeeScript

- The Golden Rule of CoffeeScript is that it is just JavaScript
- CoffeeScript code compiles one-to-one into the equivalent JavaScript
- The compiled output of CoffeeScript will work in every JavaScript runtime
- CoffeeScript can be written in "literate" mode.
  - You can add the extension `.litcoffee` and write your script as a markdown document, this is also executable CoffeeScript code.
  - The compiler will treat any indented blocks (Markdown's way of indicating source code) as code, and ignore the rest as comments.
- Functions in CoffeeScript are written using an optional list of parameters in parentheses, an arrow, and the function body
- The CoffeeScript compiler makes sure that all of your variables are properly declared within lexical scope
- The compiler uses the behavior similar to ruby scope for local variables
- In CoffeeScript `if/else` statements can be written without the use of parentheses and curly brackets.
- Ranges can be used to extract sub arrays from arrays