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CoffeeScript

CoffeeScript is a language that compiles into javascript. CoffeeScript was made to bring out the good things in JavaScript, without the problems and messiness. CoffeeScript is multi-paradigm, it can/should be written functionally, but for things like I/O the programmer is allowed to completely break the paradigm for simplicities sake. It was developed by Jeremy Ashkenas, and appeared in 2009 on Github, as a simple and functional solution to JavaScript. It was influenced by Haskell, Python, Ruby, and of course JavaScript. CoffeeScript works with any javascript library and it works in every JavaScript runtime. The CoffeeScript compiler is also written in CoffeeScript.

CoffeeScript is a pretty new language, but surprisingly practical, mostly due to the fact that it is so heavily based on JavaScript. Critics of CoffeeScript say it is very sensitive to white space and the compiler gives rudimentary errors. Also, GitHub's style guide says to "write all new JavaScript in CoffeeScript."