

# ColdCoffeeScript User Guide

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ColdCoffeeScript, its interpreter and accompanying features, and this User Guide are in no way affiliated with or endorsed by popular University of Southampton lecturer Gennaro Parlato.

## Contents

<b>1</b>	<b>Introductory Quotes and Haiku</b>	<b>1</b>
<b>2</b>	<b>"Serious" Introduction</b>	<b>2</b>
<b>3</b>	<b>Features</b>	<b>2</b>
<b>4</b>	<b>Syntax</b>	<b>2</b>
4.1	Hello World . . . . .	2
4.2	Not really . . . . .	4
<b>5</b>	<b>Frequently Asked Questions</b>	<b>4</b>

## 1 Introductory Quotes and Haiku

*"You can't put that lmao"*

- Shahaan Hassan, 2017

*We have distilled the  
One and only Gennaro  
Into a language*

*If you want some proof  
that our language is dank, well  
we got 4/20*

## 2 "Serious" Introduction

ColdCoffeeScript is a strongly and statically typed imperative domain-specific language, created for the purpose of manipulating regular languages. The language prides orthogonality over syntactic sugar so the developers have DELIBERATELY AIMED for a minimal syntax. All functions and operators are pass-by-value - variables are only changed when explicitly re-assigned by the programmer.

## 3 Features

ColdCoffeeScript boasts many organic features, guaranteed to make programming simply delightful. These include:

- Delicious Gennaro-themed error messages, including such choice phrases as "" and "" (we only ever type valid programs so we don't know)
- Incredible type checker to whip those unruly variables into shape before they go into the program!
- Single line comments - include any old muck in your program by surrounding part of your line with hashes, like so `#Shahaan remember to add more features here#`

## 4 Syntax

So, essentially, the idea ees-a, I will give-a you a taybul of the syntax and what eet-a does. Then you can mess around with it for homework.

Nota Bene: Variable names are in capitals only. Thees-a was done deliberately to distinguish variables from functions, and emphasise the importance of good variable naming.

### 4.1 Hello World

Thees ees-a the anatomy of a Hello World Program in ColdCoffeeScript.

```
display {"hello","world"} 2;
```

On line 1, 'display' ees-a the function used to output a set to standard output. The output can-a probably be redirected as-a well.

On line 1, '{"hello","world"}' ees an exampul of what ees known in ColdCoffeeScript as a set literal. The parentheses show the start and end of the set, and the set contains the two strings "hello" and "world", separated by a comma.

On line 1, '2' ees the number of elements of the set that will be printed. Thees ees-a useful for-a very large sets where you don't care about all of the output.

The semicolon ends the display statement. If you do not end each statement weeth a semicolon, your statement will be just a concept and your DFA will-a fail.

The output of the program is as follows:

```
{ ciao , mondo }
```

This is because the language automatically translates English strings to Italian.

## **4.2 Not really**

The actual output is:

```
{hello , world}
```

## **5 Frequently Asked Questions**