Conflict of Philosophies or Points of View

Svarny Petr

Katedra logiky FF UK

8. května 2021

Overview

Brown and Green languages

POVs

Philosophy everywhere

Table of Contents

Brown vs Green languages

=earthly.dev blogpost=
Based on Stack Overflow developer survey,

The TOP 15 Dreaded Programming Languages:
VBA, Objective-C, Perl, Assembly, C, PHP, Ruby, C++, Java, R, Haskell, Scala, HTML, Shell, and SQL.

The TOP 15 Loved Programming Languages:
Rust, TypeScript, Python, Kotlin, Go, Julia, Dart, C#, Swift, JavaScript, SQL, Shell, HTML, Scala, and Haskell.

Brown vs Green languages

Are those dreaded languages really that bad and the loved ones so good?

Brown vs Green languages

2016 separate survey of most used languages, call them "brown"
2020 - call them green

What will be the ratio of dreaded/loved in brown/green?

Brown vs Green languages

2016 separate survey of most used languages, call them "brown"
2020 - call them green

Majority of brown languages are dreaded (and vice versa) and majority of green are loved.
Why?

Brown vs Green languages

2016 separate survey of most used languages, call them "brown"
2020 - call them green

Brown = older projects that were started in 2016, now maintained.
Green = new, fresh projects without extensive maintenance.

Table of Contents

Different POVs

Why are there these various programming paradigms?

Different POVs

Specific uses that ask for certain properties (e.g., immutability, speed).

Different ways of development (e.g., faster prototyping).

Philosophical differences in general (e.g., data should be separate from code), remember the tribes?

Table of Contents

Philosophy everywhere

- =OWL and ontologies=
- =Zeil's OOPhilosophy=
- =OOP and philosophy=,
- =Plato oriented programming=,
- =Functional programming philosophy=
- =Monads on Wiki=,...