

Why Are There So Many Programming Languages

List of programming languages by type

is a list of notable programming languages, grouped by type. The groupings are overlapping; not mutually exclusive. A language can be listed in multiple...

Functional programming

functional programming is a programming paradigm where programs are constructed by applying and composing functions. It is a declarative programming paradigm...

C (programming language)

programming languages, with C compilers available for practically all modern computer architectures and operating systems. The book The C Programming...

Python (programming language)

supports multiple programming paradigms, including structured (particularly procedural), object-oriented and functional programming. Guido van Rossum...

Zig (programming language)

Zig are in contrast to those of many other languages designed in the same time period, like Rust, Carbon, and Nim. Generally, these languages are more...

Java (programming language)

are typically not available in traditional compiled languages. Java gained popularity shortly after its release, and has been a popular programming language...

Object-oriented programming

Object-oriented programming (OOP) is a programming paradigm based on the object – a software entity that encapsulates data and functionality. An OOP program consists...

Lightweight programming language

Lightweight programming languages are programming languages designed to have small memory footprint, are easy to implement (important when porting a language to...

Programming language implementation

computer programming, a programming language implementation is a system for executing computer programs. There are two general approaches to programming language...

Closure (computer programming)

In programming languages, a closure, also lexical closure or function closure, is a technique for implementing lexically scoped name binding in a language...

Go (programming language)

Go Programming Language Specification - the Go Programming Language". "Why doesn't Go have "implements" declarations?". The Go Programming Language. Retrieved...

Rust (programming language)

compile time. Rust supports multiple programming paradigms. It was influenced by ideas from functional programming, including immutability, higher-order...

List of educational programming languages

transitioning to more complex programming languages. Initially, machine code was the sole method of programming computers. Assembly language (ASM), introduced mnemonics...

Lisp (programming language)

a favored programming language for artificial intelligence (AI) research. As one of the earliest programming languages, Lisp pioneered many ideas in computer...

Erlang (programming language)

the programming language used to code WhatsApp. It is also the language of choice for Ejabberd – an XMPP messaging server. Elixir is a programming language...

Second-generation programming language

second-generation programming language (2GL) is a generational way to categorize assembly languages. They belong to the low-level programming languages. The term...

Raku (programming language)

of programming languages. Formerly named Perl 6, it was renamed in October 2019. Raku introduces elements of many modern and historical languages. Compatibility...

APL (programming language)

spreadsheets, functional programming, and computer math packages. It has also inspired several other programming languages. A mathematical notation for...

Interpreter (computing) (redirect from Interpreted (programming languages))

an interpreter is a computer program that directly executes instructions written in a programming or scripting language, without requiring them previously...

Elm (programming language)

direct descendant of the Elm programming language. The two languages are similar, but not the same!
"Why Derw: an Elm-like language that compiles to TypeScript...

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