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Programming Languages

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Programming Languages

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All Programming languages	Description
Assembly	low-level programming language
C	C is used to write software where speed and flexibility is important, such as in embedded systems or high-performance computing.
C++	C++ is a general-purpose programming language
C#	C# is a multi-paradigm programming language encompassing strong typing, imperative, declarative, functional, generic, object-oriented (class-based), and component-oriented programming disciplines
Go	Statically typed, compiled programming language
Java	Designed to allow the creation of programs that can run on several different platforms.
JavaScript	High-level, interpreted scripting language that conforms to the ECMAScript specification
Objective-C	Objective-C is a general-purpose, object-oriented programming language that adds Smalltalk-style messaging to the C programming language
Perl	High-level, general-purpose, interpreted, dynamic programming language
PHP	PHP is a server-side scripting language designed primarily for web development
Python	A scripting language that is often used by software developers to add programmability to their applications, such as engineering-analysis tools or animation software.
R	Free software environment for statistical computing and graphics supported
Ruby	Ruby is an interpreted, high-level, general-purpose programming language.
Rust	Rust is a multi-paradigm, general-purpose programming language. Rust emphasizes performance, type safety, and concurrency
Scala	general-purpose programming language providing support for functional programming and a strong static type system
SQL	Domain-specific language used in programming and designed for managing data held in a relational database management
Swift	Swift is a general-purpose, multi-paradigm, compiled programming language
TypeScript	Strict syntactical superset of JavaScript,
Visual Basic	Event-driven programming language
Visual Basic for Applications	Create macros to automate repetitive word- and data-processing functions, and generate custom forms, graphs, and reports
Zig	Zig is a general-purpose programming language and toolchain for maintaining robust, optimal and reusable software

Tier List

[Dev Langs \(Tier List\)](#)

Snippet from [Wikipedia](#): **List of programming languages**

This is an index to notable programming languages, in current or historical use. Dialects of BASIC, esoteric programming languages, and markup languages are not included. A programming language does not need to be imperative or Turing-complete, but must be executable and so does not include markup languages such as HTML or XML, but does include domain-specific languages such as SQL and its dialects.

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TIOBE Index

- <https://www.tiobe.com/tiobe-index/>

The TIOBE Programming Community index is an indicator of the popularity of programming languages. The index is updated once a month. The ratings are based on the number of skilled engineers world-wide, courses and third party vendors

Stack Overflow Developer Survey 2022

Programming, scripting, and markup languages

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1. [JavaScript](#)
2. [HTML/CSS](#)
3. [SQL](#)
4. [Python](#)
5. [TypeScript](#)
6. [Java](#)
7. [Bash/Shell](#)
8. [C#](#)
9. [C++](#)
10. [PHP](#)
11. [C](#)
12. [PowerShell](#)
13. [Go](#)
14. [Rust](#)
15. [Kotlin](#)
16. [Dart](#)
17. [Ruby](#)
18. [Assembly](#)
19. [Swift](#)
20. [R](#)
21. [VBA](#)
22. [MATLAB](#)

23. Lua
24. Groovy
25. Delphi
26. Scala
27. [Objective-C](#)
28. [Perl](#)
29. Haskell
30. Elixir
31. Julia
32. Clojure
33. Solidity
34. LISP
35. F#
36. Fortran
37. Erlang
38. APL
39. COBOL
40. SAS
41. OCaml
42. Crystal

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Stack Overflow Developer Survey - Programming languages

1. JavaScript
2. HTML/CSS
3. Python
4. SQL
5. TypeScript
6. Bash/Shell (all shells)
7. Java
8. C#
9. C++
10. C
11. PHP
12. PowerShell
13. Go
14. Rust
15. Kotlin
16. Ruby
17. Lua
18. Dart
19. Assembly

20. Swift
21. R
22. Visual Basic (.Net)
23. MATLAB
24. VBA
25. Groovy
26. Delphi
27. Scala
28. Perl
29. Elixir
30. Objective-C
31. Haskell
32. GDScript
33. Lisp
34. Solidity
35. Clojure
36. Julia
37. Erlang
38. F#
39. Fortran
40. Prolog
41. Zig
42. Ada
43. OCaml
44. Apex
45. Cobol
46. SAS
47. Crystal
48. Nim
49. APL
50. Flow
51. Raku

Source: [Stack Overflow Developer Survey 2023](#)

GitHub Collections Programming Languages

- <https://github.com/collections/programming-languages>

ToDo



- (if only there were a little more time... → [join us or give your support](#))

- [Unsorted list](#)
- <http://spectrum.ieee.org/computing/software/the-2016-top-programming-languages>
- <http://spectrum.ieee.org/static/interactive-the-top-programming-languages-2016>
- <http://www.tiobe.com/tiobe-index/>

- <https://www.devsaran.com/blog/10-best-programming-languages-2019-you-should-know>
- https://en.wikipedia.org/wiki/Scripting_language
- <https://www.computerscience.org/resources/computer-programming-languages/>
- <https://medium.com/web-development-zone/a-complete-list-of-computer-programming-languages-1d8bc5a891f>
- * Scripting experience in multiple languages - (PowerShell, Python, etc.)
- https://en.wikipedia.org/wiki/List_of_programming_languages
- https://en.wikibooks.org/wiki/Computer_Programming/Hello_world
- <https://devdocs.io/>
- <https://learnxinyminutes.com/>
- <https://devicon.dev/>
- Microsoft Power Fx

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