


















March Headl that large

February has be
are that Python
keeps climbing.

The TIOBE Prog
programming la
the number of s
web sites Goog
calculate the ra
programming la

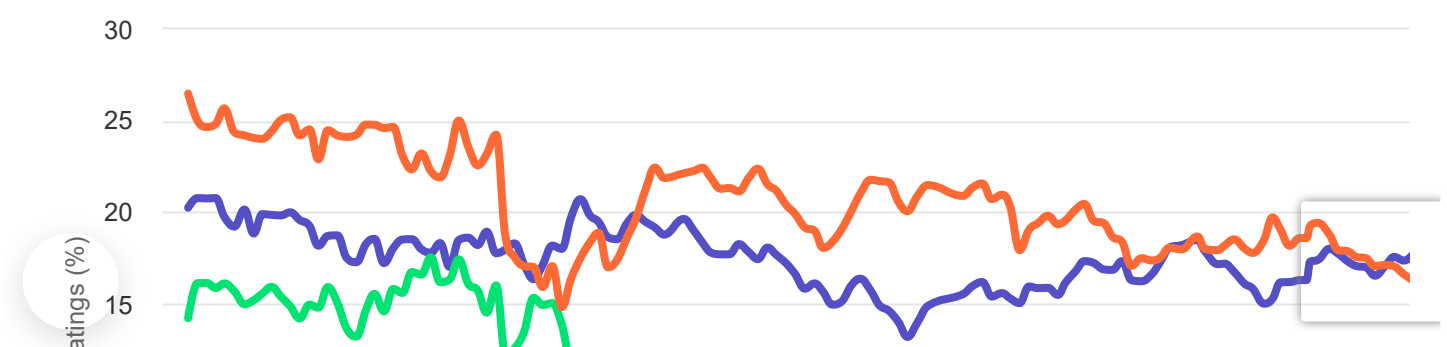
The index can k
to make a strat
when starting t
found [here](#).

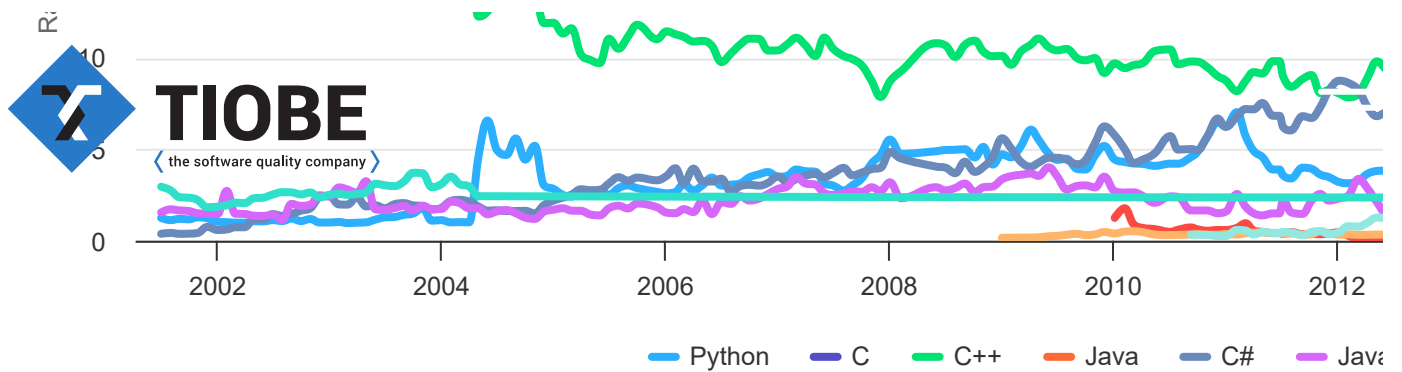
Mar 2024	M
1	1
2	2
3	4
4	3
5	5
	7

7	8	↑	 SQL	1.92%	-0.04%
8	10	↑	 Go	1.56%	+0.32%
9	14	↑↑	 Scratch	1.46%	+0.45%
10	6	↓↓	 Visual Basic	1.42%	-3.33%
11	11		 Assembly language	1.39%	+0.28%
12	9	↓	 PHP	1.32%	-0.29%
13	12	↓	 MATLAB	1.24%	+0.16%
14	17	↑	 Fortran	1.22%	+0.43%
15	13	↓	 Delphi/Object Pascal	1.22%	+0.15%
16	20	↑↑	 Swift	1.08%	+0.38%
17	19	↑	 Rust	1.03%	+0.30%
18	18		 Ruby	1.01%	+0.24%
19	35	↑↑	 Kotlin	0.95%	+0.68%
20	23	↑	 COBOL	0.83%	+0.25%

TIOBE Programming

Source: www.tiobe.com





Other programming languages

The complete top 50 of programming languages is listed below. This overview is published unofficially, because it could be the case that we missed a language. If you have the impression there is a programming language lacking, please notify us at tpci@tiobe.com. Please also check the [overview of all programming languages](#) that we monitor.

Position	Programming Language	Ratings
21	R	0.81%
22	SAS	0.77%
23	D	0.76%
24	Ada	0.75%
25	F#	0.68%
26	Classic Visual Basic	0.66%
27	Lua	0.62%
28	Prolog	0.61%
29	Perl	0.58%
30	Haskell	0.58%
31	(Visual) FoxPro	0.55%
32	Dart	0.50%
33	VBScript	0.47%
34	Scala	0.46%
35	Objective-C	0.42%



TIOBE
the software quality company

36	Lisp	0.41%
37	Julia	0.38%
38	TypeScript	0.38%
39	Logo	0.35%
40	ML	0.32%
41	Solidity	0.29%
42	RPG	0.28%
43	Erlang	0.27%
44	PowerShell	0.27%
45	Scheme	0.27%
46	X++	0.27%
47	Transact-SQL	0.27%
48	GAMS	0.25%
49	Forth	0.24%
50	Bash	0.21%

The Next 50 Programming Languages

The following list of languages denotes #51 to #100. Since the differences are relatively small, the programming languages are only listed (in alphabetical order).

- ABAP, ABC, ActionScript, Algol, Apex, APL, Awk, bc, Bourne shell, Carbon, CFML, CHILL, CLIPS, Clojure, Crystal, Curl, DiBOL, Eiffel, Elixir, Groovy, Hack, Icon, IDL, Io, J, J#, JScript, LabVIEW, Ladder Logic, LiveCode, Modula-2, NATURAL, Nim, OCaml, OpenCL, OpenEdge ABL, PL/I, PL/SQL, PostScript, Q, Racket, REXX, Ring, Smalltalk, SPARK, SPSS, Tcl, VHDL, Wolfram, Zig

This Month's Changes in the Index

This month the following changes have been made to the definition of the index:

To see the bigger picture, please find below the positions of the top 10 programming languages of many years back. Please note that these are *average* positions for a period of 12 months.

Programming Language	2024	2019	2014	2009	2004	1999	1994	1989
Python	1	4	8	6	11	31	22	-
C	2	2	1	2	2	1	1	1
C++	3	3	4	3	3	2	2	3
Java	4	1	2	1	1	12	-	-
C#	5	6	5	8	8	29	-	-
JavaScript	6	7	9	9	9	20	-	-
Visual Basic	7	19	-	-	-	-	-	-
SQL	8	9	-	-	7	-	-	-
PHP	9	8	6	5	6	-	-	-
Assembly language	10	11	-	-	-	-	-	-
Objective-C	28	10	3	38	48	-	-	-
Lisp	33	27	14	18	15	15	6	2
(Visual) Basic	-	-	7	4	5	3	3	7

There are 2 important remarks here:

- There is a difference between "Visual Basic" and "(Visual) Basic" in the table above. Until 2010, "(Visual) Basic" referred to all possible dialects of Basic, including Visual Basic. After some discussion, it has been decided to split "(Visual) Basic" into all its dialects such as Visual Basic .NET, Classic Visual Basic, PureBasic, and Small Basic, just to name a few. Since Visual Basic .NET has become the major implementation of Visual Basic, it is now called "Visual Basic".
- The programming language SQL was added to the TIOBE index in 2018 after somebody pointed out that SQL is Turing Complete. So although this language is very

somebody pointed out that SQL is falling complete. So although this language is very

it has only a short history in the index.



Programming Language Hall of Fame

The hall of fame listing all "Programming Language of the Year" award winners is shown below. The award is given to the programming language that has the highest rise in ratings in a year.

Year	Winner
2023	🏆 C#
2022	🏆 C++
2021	🏆 Python
2020	🏆 Python
2019	🏆 C
2018	🏆 Python
2017	🏆 C
2016	🏆 Go
2015	🏆 Java
2014	🏆 JavaScript
2013	🏆 Transact-SQL
2012	🏆 Objective-C
2011	🏆 Objective-C
2010	🏆 Python
2009	🏆 Go
2008	🏆 C
2007	🏆 Python
2006	🏆 Ruby
2005	🏆 Java



TIOBE
the software quality company

PHP

C++

Bugs & Change Requests

This is the top 5 of most requested changes and bugs. If you have any suggestions how to improve the index don't hesitate to send an e-mail to tpci@tiobe.com.

1. Apart from “<language> programming”, also other queries such as “programming with <language>”, “<language> development” and “<language> coding” should be tried out.
2. Add queries for other natural languages (apart from English). The idea is to start with the Chinese search engine Baidu. This has been implemented partially and will be completed the next few months.
3. Add a list of all search term requests that have been rejected. This is to minimize the number of recurring mails about Rails, JQuery, JSP, etc.
4. Start a TIOBE index for databases, software configuration management systems and application frameworks.
5. Some search engines allow to query pages that have been added last year. The TIOBE index should only track those recently added pages.

**Am I allowed to show the TIOBE index in my
weblog/presentation/publication?**

**How may I nominate a new language to be added to the TIOBE
index?**

**I would like to have the complete data set of the TIOBE index. Is
this possible?**

**Why is the maximum taken to calculate the ranking for a grouping,
why not the sum?**



Get your own proof of concept

Curious how your projects will be ranked by our TiCS Framework?
Request your proof of concept now to discover the quality of your code.

[Request a demo](#)

TIOBE checks
more than 1
billion lines
of software
code.

[Schedule
a demo](#)

**Worldwide,
realtime,
each day.**

Navigation

[TIOBE Index](#)

[Products](#)

[Quality Models](#)

[Markets](#)

Contact us



