**History of programming languages**

A programming language is a formal constructed language designed to communicate instructions to a machine, particularly a computer. Programming languages can be used to create programs to control the behaviour of a machine or to express algorithms.

* + 1957 – FORTRAN (First compiler)
  + 1959 – COBOL
  + 1964 – BASIC
  + 1969 to 1973 – C
  + 1991 – Python
  + 1995 – Java
  + 1995 – JavaScript
  + 1995 – PHP

C, an early systems programming language, was developed by Dennis Ritchie and Ken Thompson at Bell Labs between 1969 and 1973.

* + <https://en.wikipedia.org/wiki/History_of_programming_languages>

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| * 2000 – [ActionScript](https://en.wikipedia.org/wiki/ActionScript" \o "ActionScript) * 2001 – [C#](https://en.wikipedia.org/wiki/C_Sharp_(programming_language)) * 2001 – [D](https://en.wikipedia.org/wiki/D_(programming_language)) * 2002 – [Scratch](https://en.wikipedia.org/wiki/Scratch_(programming_language)) * 2003 – [Groovy](https://en.wikipedia.org/wiki/Groovy_(programming_language)) * 2003 – [Scala](https://en.wikipedia.org/wiki/Scala_(programming_language)" \o "Scala (programming language)) * 2005 – [F#](https://en.wikipedia.org/wiki/F_Sharp_(programming_language)) * 2006 – [PowerShell](https://en.wikipedia.org/wiki/Windows_PowerShell) * 2007 – [Clojure](https://en.wikipedia.org/wiki/Clojure" \o "Clojure) | * 2009 – [Go](https://en.wikipedia.org/wiki/Go_(programming_language)) * 2010 – [Rust](https://en.wikipedia.org/wiki/Rust_(programming_language)) * 2011 – [Dart](https://en.wikipedia.org/wiki/Dart_(programming_language)) * 2011 – [Kotlin](https://en.wikipedia.org/wiki/Kotlin_(programming_language)" \o "Kotlin (programming language)) * 2011 – [Red](https://en.wikipedia.org/wiki/Red_(programming_language)) * 2011 - [Elixir](https://en.wikipedia.org/wiki/Elixir_(programming_language)) * 2012 – [Julia](https://en.wikipedia.org/wiki/Julia_(programming_language)) * 2014 – [Swift](https://en.wikipedia.org/wiki/Swift_(programming_language)) * 2016 – [Ring](https://en.wikipedia.org/wiki/Ring_(programming_language)) |
| * 1990 – [Haskell](https://en.wikipedia.org/wiki/Haskell_(programming_language)) * 1991 – [Python](https://en.wikipedia.org/wiki/Python_(programming_language)) * 1991 – [Visual Basic](https://en.wikipedia.org/wiki/Visual_Basic) * 1993 – [Lua](https://en.wikipedia.org/wiki/Lua_(programming_language)" \o "Lua (programming language)) * 1993 – [R](https://en.wikipedia.org/wiki/R_(programming_language)) * 1994 – [CLOS](https://en.wikipedia.org/wiki/CLOS) (part of ANSI [Common Lisp](https://en.wikipedia.org/wiki/Common_Lisp)) | * 1995 – [Ruby](https://en.wikipedia.org/wiki/Ruby_(programming_language)) * 1995 – [Ada 95](https://en.wikipedia.org/wiki/Ada_95) * **1995 –**[**Java**](https://en.wikipedia.org/wiki/Java_(programming_language)) * 1995 – [Delphi (Object Pascal)](https://en.wikipedia.org/wiki/Embarcadero_Delphi) * 1995 – [JavaScript](https://en.wikipedia.org/wiki/JavaScript) * 1995 – [PHP](https://en.wikipedia.org/wiki/PHP) * 1997 – [Rebol](https://en.wikipedia.org/wiki/REBOL" \o "REBOL) |

* 1980 – [C++](https://en.wikipedia.org/wiki/C%2B%2B) (as [C with classes](https://en.wikipedia.org/wiki/C_with_classes), renamed in 1983)
* 1983 – [Ada](https://en.wikipedia.org/wiki/Ada_(programming_language))
* 1984 – [Common Lisp](https://en.wikipedia.org/wiki/Common_Lisp)
* 1984 – [MATLAB](https://en.wikipedia.org/wiki/MATLAB)
* 1984 - dBase III, dBase III Plus (Clipper and [FoxPro](https://en.wikipedia.org/wiki/FoxPro) as [FoxBASE](https://en.wikipedia.org/wiki/FoxBASE), later developing into [Visual FoxPro](https://en.wikipedia.org/wiki/Visual_FoxPro)
* 1985 – [Eiffel](https://en.wikipedia.org/wiki/Eiffel_(programming_language))
* 1986 – [Objective-C](https://en.wikipedia.org/wiki/Objective-C)
* 1968 – [Logo](https://en.wikipedia.org/wiki/Logo_(programming_language))
* 1969 – [B](https://en.wikipedia.org/wiki/B_(programming_language)) (forerunner to C)
* 1970 – [Pascal](https://en.wikipedia.org/wiki/Pascal_(programming_language))
* 1970 – [Forth](https://en.wikipedia.org/wiki/Forth_(programming_language))
* 1972 – [C](https://en.wikipedia.org/wiki/C_(programming_language))[[*how?*](https://en.wikipedia.org/wiki/Wikipedia:Please_clarify)][[*full citation needed*](https://en.wikipedia.org/wiki/Wikipedia:Citing_sources#What_information_to_include)]
* 1972 – [Smalltalk](https://en.wikipedia.org/wiki/Smalltalk)
* 1972 – [Prolog](https://en.wikipedia.org/wiki/Prolog" \o "Prolog)
* 1973 – [ML](https://en.wikipedia.org/wiki/ML_(programming_language))
* 1975 – [Scheme](https://en.wikipedia.org/wiki/Scheme_(programming_language))
* **1978 –**[**SQL**](https://en.wikipedia.org/wiki/SQL)**(a query language, later extended)**

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| * 1951 – [Regional Assembly Language](https://en.wikipedia.org/w/index.php?title=Regional_Assembly_Language&action=edit&redlink=1) * 1952 – [Autocode](https://en.wikipedia.org/wiki/Autocode" \o "Autocode) * 1954 – [IPL](https://en.wikipedia.org/wiki/Information_Processing_Language) (forerunner to LISP) * 1955 – [FLOW-MATIC](https://en.wikipedia.org/wiki/FLOW-MATIC) (led to COBOL) * **1957 –**[**FORTRAN**](https://en.wikipedia.org/wiki/Fortran)**(First compiler)** * 1957 – [COMTRAN](https://en.wikipedia.org/wiki/COMTRAN) (precursor to COBOL) * 1958 – [LISP](https://en.wikipedia.org/wiki/Lisp_(programming_language)) * 1958 – [ALGOL 58](https://en.wikipedia.org/wiki/ALGOL_58) * 1959 – [FACT](https://en.wikipedia.org/wiki/FACT_computer_language) (forerunner to COBOL) * 1959 – [COBOL](https://en.wikipedia.org/wiki/COBOL) | * 1959 – [RPG](https://en.wikipedia.org/wiki/IBM_RPG) * 1962 – [APL](https://en.wikipedia.org/wiki/APL_(programming_language)) * 1962 – [Simula](https://en.wikipedia.org/wiki/Simula" \o "Simula) * 1962 – [SNOBOL](https://en.wikipedia.org/wiki/SNOBOL) * 1963 – [CPL](https://en.wikipedia.org/wiki/Combined_Programming_Language) (forerunner to C) * 1964 – [Speakeasy (computational environment)](https://en.wikipedia.org/wiki/Speakeasy_(computational_environment)) * **1964 –**[**BASIC**](https://en.wikipedia.org/wiki/BASIC) * 1964 – [PL/I](https://en.wikipedia.org/wiki/PL/I) * 1966 – [JOSS](https://en.wikipedia.org/wiki/JOSS) * 1967 – [BCPL](https://en.wikipedia.org/wiki/BCPL) (forerunner to C) |