

Programming In Qbasic

QBasic

Basic – Programming language dialect and development environment QB64 – IDE for the BASIC programming language "Differences Between GW-BASIC and QBasic",. 2003-05-12

QBasic is an integrated development environment (IDE) and interpreter for a variety of dialects of BASIC which are based on QuickBASIC. Code entered into the IDE is compiled into an intermediate representation (IR), and this IR is immediately executed on demand within the IDE.

Like QuickBASIC, but unlike earlier versions of Microsoft BASIC, QBasic is a structured programming language, supporting constructs such as subroutines. Line numbers, a concept often associated with BASIC, are supported for compatibility but are not considered good form, having been replaced by descriptive line labels. QBasic has limited support for user-defined data types (structures), and several primitive types used to contain strings of text or numeric data. It supports various inbuilt functions.

For its time, QBasic...

QB64

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QB64 (originally QB32) is a self-hosting BASIC compiler for Microsoft Windows, Linux and Mac OS X, designed to be compatible with Microsoft QBasic and QuickBASIC. QB64 is a transpiler to C++, which is integrated with a C++ compiler to provide compilation via C++ code and GCC optimization.

QB64 implements most QBasic statements, and can run many QBasic programs, including Microsoft's QBasic Gorillas and Nibbles games. Furthermore, QB64 has been designed to contain an IDE resembling the QBASIC IDE. QB64 also extends the QBASIC programming language to include 64-bit data types, as well as better sound and graphics support. It can also emulate some DOS/x86 specific features such as INT 33h mouse access, and multiple timers.

Since version 2.0, QB64 now offers debugging abilities, with the new \$DEBUG...

MS-DOS Editor

standalone program because QBasic did not ship with Windows. In 2025, Microsoft released a free and open-source remake. The Editor version 1.0 appeared in MS-DOS

MS-DOS Editor, commonly just called edit or edit.com, is a TUI text editor. Originally, it was a 16-bit that shipped with MS-DOS 5.0 and later, as well as all 32-bit x86 versions of Windows. It supersedes edlin, the standard editor in earlier versions of MS-DOS. Originally, EDIT.COM was a stub that ran QBasic in editor mode. Starting with Windows 95, MS-DOS Editor became a standalone program because QBasic did not ship with Windows. In 2025, Microsoft released a free and open-source remake.

Nibbles (video game)

snake video game concept used to demonstrate the QBasic programming language. Nibbles was written in QBasic by Rick Raddatz, who later went on to create small

Nibbles, also known by the source code's file name NIBBLES.BAS, is a variant of the snake video game concept used to demonstrate the QBasic programming language. Nibbles was written in QBasic by Rick Raddatz, who later went on to create small businesses such as Xiosoft and Bizpad.

QuickBASIC

QBasic is limited to an interpreter only, lacks a few functions, can only handle programs of a limited size, and lacks support for separate program modules

Microsoft QuickBASIC (also QB) is an Integrated Development Environment (or IDE) and compiler for the BASIC programming language that was developed by Microsoft. QuickBASIC runs mainly on DOS, though there was also a short-lived version for the classic Mac OS. It is loosely based on GW-BASIC but adds user-defined types, improved programming structures, better graphics and disk support and a compiler in addition to the interpreter.

Microsoft marketed QuickBASIC as the introductory level for their BASIC Professional Development System. Microsoft marketed two other similar IDEs for C and Pascal, viz QuickC and QuickPascal.

SmallBASIC

generation BASIC, and has a lot in common with QBasic. SmallBASIC includes trigonometric, matrices and algebra functions, a built in IDE, a string library, system

SmallBASIC is a BASIC programming language dialect with interpreters released as free software under the GNU General Public License version 3 for Microsoft Windows, Linux and Android.

BASIC

six "arcade-style" games that were easily customizable in QBasic. In 2013, a game written in QBasic and compiled with QB64 for modern computers entitled

BASIC (Beginners' All-purpose Symbolic Instruction Code) is a family of general-purpose, high-level programming languages designed for ease of use. The original version was created by John G. Kemeny and Thomas E. Kurtz at Dartmouth College in 1964. They wanted to enable students in non-scientific fields to use computers. At the time, nearly all computers required writing custom software, which only scientists and mathematicians tended to learn.

In addition to the programming language, Kemeny and Kurtz developed the Dartmouth Time-Sharing System (DTSS), which allowed multiple users to edit and run BASIC programs simultaneously on remote terminals. This general model became popular on minicomputer systems like the PDP-11 and Data General Nova in the late 1960s and early 1970s. Hewlett-Packard...

Gorillas (video game)

velocity of each throw. Written in QBasic, it is one of the programs included as a demonstration of that programming language. The others are Nibbles

Gorillas, also known under the source code's file name GORILLA.BAS, is a video game first distributed with MS-DOS 5 and published in 1990 by Microsoft. It is a turn-based artillery game. With allusions to King Kong, the game consists of two gorillas throwing explosive bananas at each other above a city skyline. The players can adjust the angle and velocity of each throw.

Written in QBasic, it is one of the programs included as a demonstration of that programming language. The others are Nibbles (another game), Money (a simple financial calculator), and REMLINE (a program to remove line numbers from old BASIC programs).

Flowgorithm

Delphi Groovy Java JavaScript Kotlin Lua Nim Perl PHP PowerShell Python QBasic Ruby Swift 2 & 3 TypeScript Visual Basic for Applications Visual Basic

Flowgorithm is a graphical authoring tool which allows users to write and execute programs using flowcharts. The approach is designed to emphasize the algorithm rather than the syntax of a specific programming language. The flowchart can be converted to several major programming languages. Flowgorithm was created at Sacramento State University.

IBM BASIC

machine-language programming), supports multi-module programs, and includes advanced debugging features, all of which are absent from QBASIC. Curran, Lawrence

The IBM Personal Computer BASIC, commonly shortened to IBM BASIC, is a programming language first released by IBM with the IBM Personal Computer, Model 5150 (IBM PC) in 1981. IBM released four different versions of the Microsoft BASIC interpreter, licensed from Microsoft for the PC and PCjr. They are known as Cassette BASIC, Disk BASIC, Advanced BASIC (BASICA), and Cartridge BASIC. Versions of Disk BASIC and Advanced BASIC were included with IBM PC DOS up to PC DOS 4. In addition to the features of an ANSI standard BASIC, the IBM versions offered support for the graphics and sound hardware of the IBM PC line. Source code could be entered with a full-screen editor, and limited facilities were provided for rudimentary program debugging. IBM also released a version of the Microsoft BASIC compiler...

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