

Visual Basic 2017 Made Easy

Visual Basic (classic)

it can refer to either Classic Visual Basic or to the .NET version. Just as BASIC was originally intended to be easy to learn, Microsoft intended the

Visual Basic (VB), sometimes referred to as Classic Visual Basic or as VB6, is a third-generation programming language based on BASIC, as well as an associated integrated development environment (IDE). Visual Basic was developed by Microsoft for Windows, and is known for supporting rapid application development (RAD) of graphical user interface (GUI) applications, event-driven programming, and both consumption and development of

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components via the Component Object Model (COM) technology.

VB was first released in 1991. The final release was version 6 (VB6) in 1998. On April 8, 2008, Microsoft stopped supporting the VB6 IDE, relegating it to legacy status. The Microsoft VB team still maintains compatibility for VB6 applications through its "It Just Works" program on supported Windows operating systems.

Visual Basic .NET (VB.NET) is based on Classic Visual Basic. Because VB.NET was later rebranded back to Visual Basic, the name is ambiguous: it can refer to either Classic Visual Basic or to the .NET version.

Just as BASIC was originally intended to be easy to learn, Microsoft intended the same for VB.

Development of a VB application is exclusively supported via the VB integrated development...

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Visual Basic (.NET)

Visual Basic (VB), originally called Visual Basic .NET (VB.NET), is a multi-paradigm, object-oriented programming language developed by Microsoft and

Visual Basic (VB), originally called Visual Basic .NET (VB.NET), is a multi-paradigm, object-oriented programming language developed by Microsoft and implemented on .NET, Mono, and the .NET Framework. Microsoft launched VB.NET in 2002 as the successor to its original Visual Basic language, the last version of which was Visual Basic 6.0. Although the ".NET" portion of the name was dropped in 2005, this article uses "Visual Basic [.NET]" to refer to all Visual Basic languages released since 2002, in order to distinguish between them and the classic Visual Basic. Along with C# and F#, it is one of the three main languages targeting the .NET ecosystem. Microsoft updated its VB language strategy on 6 February 2023, stating that VB is a stable language now and Microsoft will keep

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maintaining it, but will not add support for new workloads.

Microsoft's integrated development environment (IDE) for developing in Visual Basic is Visual Studio. Most Visual Studio editions are commercial; the only exceptions are Visual Studio Express and Visual Studio Community, which are freeware. In addition, the .NET Framework SDK includes a freeware command-line compiler called vbc.exe. Mono also includes a...

Visual Basic for Applications

Visual Basic for Applications (VBA) is an implementation of Microsoft's event-driven programming language Visual Basic 6.0 built into most desktop Microsoft

Visual Basic for Applications (VBA) is an implementation of Microsoft's event-driven programming language Visual Basic 6.0 built into most desktop Microsoft Office applications. Although based on pre-.NET Visual Basic, which is no longer supported or updated by

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Microsoft (except under Microsoft's "It Just Works" support which is for the full lifetime of supported Windows versions, including Windows 10 and Windows 11), the VBA implementation in Office continues to be updated to support new Office features. VBA is used for professional and end-user development due to its perceived ease-of-use, Office's vast installed userbase, and extensive legacy in business.

Visual Basic for Applications enables building user-defined functions (UDFs), automating processes and accessing Windows API and other low-level functionality through dynamic-link libraries (DLLs). It supersedes and expands on the abilities of earlier application-specific macro programming languages such as Word's WordBASIC. It can be used to control many aspects of the host application, including manipulating user interface features, such as menus and toolbars, and working with custom user forms or dialog boxes.

As its name suggests...

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Comparison of C Sharp and Visual Basic .NET

C# and Visual Basic (.NET) are the two main programming languages used to program on the .NET framework. C# and VB.NET are very different languages in

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== Language history ==

C# and VB.NET are very different languages in syntax and history.

As the name suggests, the C# syntax is based on the core C programming language originally developed by Dennis Ritchie at Bell Labs (AT&T) in the 1970s. Java and C++ are two other programming languages whose syntax is also based on the C syntax, so they share a common look and feel. See Comparison of C Sharp and Java for more on this topic.

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BASIC's roots go back to Dartmouth College. BASIC (Beginner's All-purpose Symbolic Instruction Code) was developed in the 1960s as a method to overcome the difficulties of using assembly language written for processor-specific and/or brand name specific mainframes and hardware. Programming was hardware dependent by design more so for marketing reasons than to preserve the logical composition of programming that should transcend hardware. (Microsoft's claim to fame with its operating system was to free consumers from hardware-specific devices by encapsulating those tasks within its operating system.) Code became "portable" due to the compiler, and in fact,...

BASIC

'". Visual Studio Magazine. Retrieved March 28, 2023. Domingo, Michael (June 13, 2017). "Viva, Visual Basic! Or, Does VB Have a Future?". Visual Studio

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BASIC (Beginner's 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 produced an entire computer line for this method of operation, introducing the HP2000 series in the late 1960s and continuing sales into the 1980s. Many early video games trace their history to one of these versions of BASIC.

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The emergence of microcomputers in the mid-1970s led to the development of multiple BASIC dialects, including Microsoft BASIC in 1975. Due to the tiny main memory available...

Visual Studio

tools. The first version of Visual Studio was Visual Studio 97. Before that, Visual Basic, Visual C++, Visual FoxPro and Visual SourceSafe were sold as separate

Visual Studio is an integrated development environment (IDE) developed by Microsoft. It is used to develop computer programs including websites, web apps, web services and mobile apps. Visual Studio uses Microsoft software development platforms including Windows API, Windows Forms, Windows Presentation Foundation (WPF), Microsoft Store and Microsoft Silverlight. It can produce both native code and managed code.

Visual Studio includes a code editor supporting IntelliSense (the code

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completion component) as well as code refactoring. The integrated debugger works as both a source-level debugger and as a machine-level debugger. Other built-in tools include a code profiler, designer for building GUI applications, web designer, class designer, and database schema designer. It accepts plug-ins that expand the functionality at almost every level—including adding support for source control systems (like Subversion and Git) and adding new toolsets like editors and visual designers for domain-specific languages or toolsets for other aspects of the software development lifecycle (like the Azure DevOps client: Team Explorer).

Visual Studio supports 36 different programming languages and allows the...

List of BASIC dialects

Extended BASIC See Altair BASIC Amiga BASIC (Amiga) Somewhat easier than ABasiC, see MS BASIC for Macintosh. AMOS BASIC

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(Amiga) For the Amiga, made for game

This is an alphabetical list of BASIC dialects - interpreted and compiled variants of the BASIC programming language. Each dialect's platform(s), i.e., the computer models and operating systems, are given in parentheses along with any other significant information.

== Dialects ==

Visual Studio Code

vscode.dev. Out of the box, Visual Studio Code includes basic support for most common programming languages. This basic support includes syntax highlighting

Visual Studio Code (commonly referred to as VS Code) is an integrated development environment developed by Microsoft for Windows, Linux, macOS and web browsers. Features include support

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for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded version control with Git. Users can change the theme, keyboard shortcuts and preferences, as well as install extensions that add functionality, including to extend its capabilities to function as an IDE for other languages.

Visual Studio Code is proprietary software released under the "Microsoft Software License", but based on the MIT licensed program named "Visual Studio Code - Open Source" (also known as "Code - OSS"), also created by Microsoft and available through GitHub.

In the 2025 Stack Overflow Developer Survey, out of over 49,000 responses, 75.9% of respondents reported using Visual Studio Code, more than twice the percentage of respondents who reported using its nearest alternative, Visual Studio.

== History ==

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Visual Studio Code was first announced on April 29, 2015, by Microsoft at the 2015 Build conference. A preview build was released shortly thereafter.

On November 18, 2015, the project...

Visual novel

Visual novels are a video game genre of Japanese origin focused on presenting a story. Progress is made via means such as clicking, tapping or pressing

Visual novels are a video game genre of Japanese origin focused on presenting a story. Progress is made via means such as clicking, tapping or pressing a button. Some descriptions of the genre suggest that they present the player with choices that branch the narrative. The aesthetics of visual novels are often conveyed through static images of characters, background art, with soundtracks and sound effects for feedback. Both the narrative and interactions in the games

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are commonly presented through text boxes and often employ forms of interaction which include menu-choices to control player actions or dialogue that represent the player's character speech or thoughts.

Visual novels draw gameplay elements from 1980s Japanese and Western made adventure games. The term "visual novel" originated by the later-half of the 1990s, while in Japan they are often called noberugēmu (lit. 'novel game') for short. Releases in the 1990s such as Otogirisō (1992), Yu-no (1996), and Kanon (1999) would establish the gameplay and visual elements that would become common in later visual novels. Being narrative-focused, the stories and themes explored range from various narrative genres, with Japanese-made...

Commodore BASIC

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Commodore BASIC, also known as PET BASIC or CBM-BASIC, is the dialect of the BASIC programming language used in Commodore International's 8-bit home computer line, stretching from the PET (1977) to the Commodore 128 (1985).

The core is based on 6502 Microsoft BASIC, and as such it shares many characteristics with other 6502 BASICs of the time, such as Applesoft BASIC. Commodore licensed BASIC from Microsoft in 1977 on a "pay once, no royalties" basis after Jack Tramiel turned down Bill Gates' offer of a \$3 per unit fee, stating, "I'm already married," and would pay no more than \$25,000 for a perpetual license.

The original PET version was very similar to the original Microsoft implementation with few modifications. BASIC 2.0 on the C64 was also similar, and was also seen on C128s (in C64 mode) and other models. Later PETs featured BASIC 4.0, similar to the original but adding a number of commands for working with floppy disks.

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BASIC 3.5 was the first to really deviate, adding a number of commands for graphics and sound support as well as a mini-assembler integrated into the machine language monitor on the C16 and Plus/4. BASIC 7.0 was included with the Commodore 128, and included structured...

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