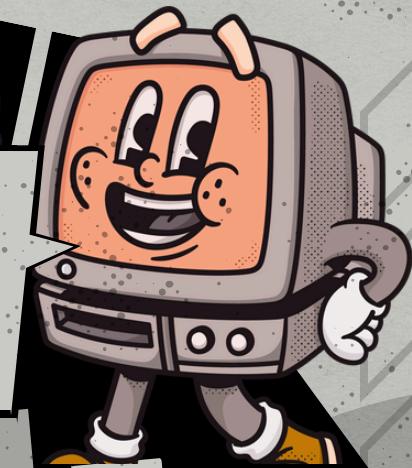


OVERVIEW

powerful object-oriented programming language developed by Microsoft

It operates within the .NET Framework.

C# has its roots in the C family of languages, sharing similarities with other popular languages such as C++ and Java¹. The initial version of C# was released in 2002, with the most recent iteration, C#8, becoming available in September 2019.



Diverse Applications

C# is an incredibly versatile language, used across a wide array of development areas.

Example:



MOBILE APPLICATIONS



DESKTOP APPLICATIONS



WEB APPLICATIONS



GAME



VIRTUAL REALITY



DATABASE APPLICATIONS

WHY CHOOSE C++

There are several compelling reasons behind C#'s widespread adoption and popularity

GLOBAL POPULARITY

It stands as one of the most popular programming languages worldwide.

EASE OF LEARNING

C# is designed to be easy to learn and simple to use

HUGE COMMUNITY SUPPORT

Developers benefit from a huge and active community support network

OBJECT-ORIENTED BENEFITS

As an object-oriented language, C# naturally provides a clear structure to programs². This architectural approach also facilitates code reuse, which can significantly lower development costs

PROGRAMMER TRANSITION

Its close relationship to C, C++, and Java makes it relatively easy for programmers to transition to C# from these languages, or vice versa

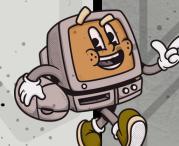
Getting Started with C# Development with Visual studio

C# IDE

The easiest way to start with C# is by using an IDE. An IDE allows you to edit and compile code. Visual Studio Community, a free IDE from Microsoft, is recommended since C# applications run on the .NET Framework, and both the language and framework are also developed by Microsoft.

STEP BY STEP GUIDE TO INSTALL

1. Open Visual Studio → Create a new project.
2. If asked, click Install more tools and features.
3. Select Console App (.NET Core) → Next.
4. Enter a project name → Create.
5. Visual Studio creates starter code.
6. Press F5 or go to Debug → Start Debugging.
7. The program runs and shows the output.



free to download from:

<https://visualstudio.microsoft.com/vs/community/>

