

[0120] C#'s Place in the .NET World

C# Design Influences

Java, C, C++, Visual Basic

Core C# Language Features

- Classes, interfaces, structures, enums, and delegates
- Automatic memory management
- String interpolation
- Null conditional operator
- Managed code
- Attribute-based programming
- Generics
- Anonymous types
- Extension methods
- Lambdas
- LINQ
- Anonymous methods
- Partial types
- Operator overloading
- Asynchronous programming
- Unmanaged code
- Pointers
- and much more...

We'll talk about most of these things throughout the rest of this course. For now, just know that they exist.

Other .NET Languages

Visual Basic, C++, JavaScript, F#, and more. That said, C# is what most .NET programmers use.