

# C Sharp

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C Sharp (C#) is a multi-paradigm programming language encompassing strong typing, imperative, declarative, functional, procedural, generic, object-oriented (class-based), and component-oriented programming disciplines. It was developed by Microsoft within its .NET initiative and later approved as a standard by Ecma (ECMA-334) and ISO (ISO/IEC 23270:2006). C# is one of the programming languages designed for the Common Language Infrastructure.<sup>[1]</sup>

## Prerequisites

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- [Introduction to Programming](#)
- [Introduction to Object Oriented Programming](#)
- [Microsoft Visual Studio](#)

## Lessons

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Topics in <a href="#">C#</a>		
Beginners	Intermediate	Advanced
<ul style="list-style-type: none"><li>▪ <a href="#">Lesson 1: Introduction to .NET and Introduction to Mono</a></li><li>▪ <a href="#">Lesson 2: C# Compilers</a></li><li>▪ <a href="#">Lesson 3: Introduction to C#</a></li><li>▪ <a href="#">Lesson 4: First Program</a></li><li>▪ <a href="#">Lesson 5: Variables and Casting</a></li><li>▪ <a href="#">Lesson 6: Math and User Input</a></li><li>▪ <a href="#">Lesson 7: Conditions</a></li><li>▪ <a href="#">Lesson 8: Loops</a></li><li>▪ <a href="#">Lesson 9: Functions</a></li><li>▪ <a href="#">Lesson 10: Exceptions and Exception Handling</a></li></ul>	<ul style="list-style-type: none"><li>▪ <a href="#">Lesson 1: Lists, Stacks, Queues</a></li><li>▪ <a href="#">Lesson 2: Structures and Enumerations</a></li><li>▪ <a href="#">Lesson 3: Delegates</a></li><li>▪ <a href="#">Lesson 4: Generics</a></li><li>▪ <a href="#">Lesson 5: Partial and Static Classes</a></li></ul>	<ul style="list-style-type: none"><li>▪ <a href="#">Lesson 1: Lambda Expressions</a></li><li>▪ <a href="#">Lesson 2: Singleton Pattern</a></li></ul>
Part of the <a href="#">School of Computer Science</a>		

## See Also

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- [Computer Programming](#)
- [csharp.net: Tutorials](#)
- [C# Tutorial Online](#)

## References

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1. [Wikipedia: C Sharp \(programming language\)](#)

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