



# Resources and Links for "Cutting-Edge C# 8"

## Contents

This course describes the additions to the C# language added in the 7.0, 7.1, 7.2, 7.3, and 8.0 releases. It consists of both module presentations and practical exercises.

## Prerequisites

This course is aimed at C# developers with a preexisting knowledge of C# 6 and earlier.

## Agenda

The course has a duration of 1 course day following the agenda outlined below.

Day 1	Introduction Module 01: "An Introduction to C# 7" Module 02: "What's New in C# 7.1, 7.2, and 7.3?" Module 03: "An Introduction to C# 8"
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## Resources and Links

### Module 01: An Introduction to C# 7

- C# Language Version History
  - <https://github.com/dotnet/csharplang/blob/master/Language-Version-History.md>
- Tuples
  - <https://csharp.christiannagel.com/2016/10/11/tuples/>
  - <https://docs.microsoft.com/en-us/dotnet/csharp/deconstruct>
- Pattern Matching
  - <https://docs.microsoft.com/en-us/dotnet/csharp/pattern-matching>
  - <https://csharp.christiannagel.com/2017/02/15/patternmatching/>
- Out Vars and Ref Returns
  - <https://csharp.christiannagel.com/2017/02/01/refreturns/>
- Expression-bodied Members
  - <https://csharp.christiannagel.com/2017/01/25/expressionbodiedmembers/>
- Literals and Separators
  - <https://csharp.christiannagel.com/2016/10/06/literals/>
- Discards
  - <https://docs.microsoft.com/en-us/dotnet/csharp/discards>

### Module 02: What's New in C# 7.1, 7.2, and 7.3?

- C# Language Version History
  - <https://github.com/dotnet/csharplang/blob/master/Language-Version-History.md>
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- <https://blogs.msdn.microsoft.com/dotnet/2017/11/15/welcome-to-c-7-2-and-span/>
  - <https://channel9.msdn.com/Events/Connect/2017/T125>
- Microsoft Build 2018
  - <https://channel9.msdn.com/Events/Build/2018/BRK2155>

## Module 03: An Introduction to C# 8

- What's New in C# 8.0
  - <https://docs.microsoft.com/en-us/dotnet/csharp/whats-new/csharp-8>