Resources and Links for "Upgrading to C# 7.3"

Contents

This course describes the additions to the C# language added in the 7.0, 7.1, 7.2, and 7.3 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: "A Glimpse of C# 8"
	C# Superhero Quiz

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

- Span<T>
  - 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: A Glimpse of C# 8

- Microsoft Build 2018
  - https://channel9.msdn.com/Events/Build/2018/BRK2155
- Nullable Reference Types
  - https://blogs.msdn.microsoft.com/dotnet/2017/11/15/nullable-reference-types-in-csharp/
  - https://msdn.microsoft.com/magazine/mt829270
- Wiki
  - https://github.com/dotnet/csharplang/wiki