

WEEK 1

Thursday, April 27, 2023 8:37 PM

Weekly curriculum scheduling

WEEK 1:

** Fundamentals of C# Language

- Introduction: What is .NET Framework and Architecture?
- C# and .NET version history
- How to Download and Install Visual Studio for C#
- Identifiers
- Data Types
 - integer
 - character
 - boolean
 - double / float / decimal
 - enum
- arrays
- strings
- Variables
- Literals
- Operators
- Keywords / Reserved words
- Control structures (If statements and loops)
- Your first console application program
- Class
- Partial classes
- Structure
- Static
- Methods
- Method parameters
- Method overloading

The dotnet architecture:

<https://www.guru99.com/net-framework.html>

The dotnet history:

<https://www.guru99.com/c-sharp-dot-net-version-history.html>

*** Resources for basic C# language:

<https://www.geeksforgeeks.org/csharp-programming-language/>

Algorithm study videos

1. What are data structures - [Microsoft Stream](#)

2. Complexity Analysis - [Microsoft Stream](#)

3. Memory - <https://web.microsoftstream.com/video/c4829c49-288c-44b5-86ee-4c80f8ee95aa>

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