
Programming in C# 7.0 with Visual Studio 2019 Eğitimi

Eğitim Hakkında

Programming in C# 7.0 with Visual Studio 2019 Eğitimi'nde C#'ta syntax ve C#'ta nesne yönelimli programlama ile ilgili konuları öğreneceksiniz.

Programming in C# 7.0 with Visual Studio 2019 Eğitimi'nde, katılımcılar Microsoft Visual Studio gibi geliştirme sürecini desteklemek için MSDN kaynakları ve araçları hakkında bilgi sahibi olurlar.

Neler Öğreneceksiniz

- The programming environment and explanation of .NET Core
- C# syntax
- Structures and collections
- Object-oriented programming
- Working with files
- Working with databases
- Multithreaded and asynchronous programming

Eğitim İçeriği

The programming environment and explanation of .NET Core

- Understanding Visual Studio 2019
- Creating project and solution
- Import of the libraries
- Implementation of the solution

C# syntax

- Data types, operators, and expressions
- Loops, conditions
- Creating methods
- Handling exceptions
- Invoking methods
- Creating overloaded methods

- Optional and output parameters in methods

Structures and collections

- implementation of structures and enum types
- Organization of data in collections

Object-oriented programming

- Event handlers
- Creating classes
- Defining and implementing of interfaces
- Implementation of strong type collections
- Creating class hierarchies
- Extending the .net Framework or Core classes

Working with files

- Reading and saving files
- Serializing and deserializing XML, JSON
- Working with I/O library

Working with databases

- Creating and using Entity data models
- Querying data by using LINQ
- Updating data with LINQ
- Remote access to data on the network
- Data access through Web services (REST)

Multithreaded and asynchronous programming

- Multithreading implementation using Lambda expressions and tasks
- Preparing asynchronous operations
- Concurrency synchronization for data access

Optional (if time permits):

- WPF Window Application project (.NET Framework)
- ASP.NET MVC Project (.NET framework or .net Core)
- Access to the data in SQL Server Azure Database (Cloud)