



PROGRAMMING IN C# WITH VISUAL STUDIO

Course ID : DEV-VS-01



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Duration: 3 Days

(18 Hours) 09:00 AM – 04:00 PM



Price: 11,900 THB

* (excluding VAT 7%)

* Eligible for 200% tax deduction



Training Schedule

www.9experttraining.com

Category: Development

This course provides comprehensive training in C# programming and Object-Oriented Programming (OOP) principles. It is ideal for individuals seeking to understand the fundamentals of C# and to develop software using systematic OOP methodologies. The course emphasizes structured, foundational learning supported by case studies and hands-on practice.

Objectives

1. Participants will be able to create Windows applications, web applications, and WPF projects.
2. Participants will be able to develop programs using Object-Oriented concepts.
3. Participants will be able to read from and write to files for data storage.
4. Participants will be able to use LINQ for data manipulation.
5. Participants will be able to implement error handling and exception management in their applications.

Target Audience

1. Individuals seeking to learn the fundamentals of C# programming.
2. Individuals aiming to develop software using Object-Oriented principles.

Prerequisites

Basic ability to use the Windows operating system.

System Requirements

- Windows 10 or Windows 11
- Microsoft Visual Studio (any supported edition)

TRAINING TOPICS

DAY 1 Morning Session 9:00 AM – 12:00 PM

1. Introduction to C# and .NET Framework
2. Creating and Storing Values in Variables
3. Using Comments for Code Documentation

DAY 1 Afternoon Session 1:00 PM – 4:00 PM

4. Expressions and Operators
5. Conditional Statements
 - Using if...else and if...else if...else structures
 - Using switch statements

DAY 2 Morning Session 9:00 AM – 12:00 PM

6. Looping Statements

- For Loops
- While Loops

7. Creating and Managing Arrays

8. Creating and Using Methods

- Passing and returning values in methods
- Implementing method overloading

DAY 2 Afternoon Session 1:00 PM – 4:00 PM

9. Error Handling and Exception Checking

- Using try-catch for exception handling
- Debugging applications with Visual Studio

10. File Input and Output

- Using namespaces to organize and structure classes
- Understanding class scope and accessibility levels

11. Creating and Using Classes

- Using namespaces to organize and structure classes
- Understanding class scope and accessibility levels

12. Access Modifiers for Variables and Methods

13. Creating and Using Properties and Indexers

14. Class Inheritance

15. Creating and Using Abstract Classes and Interfaces

16. Using Collections and Generic Types

17. Using LINQ in Various Scenarios

18. Program Debugging

19. Application Deployment

20. Case Studies in Class Development and Application

- Applying classes in web-based applications
- Applying classes in Windows applications
- Developing class-based organizational frameworks



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