C#
Fundamentals Course

cacttus®
Education

What is C#?

C# is an elegant and type-safe object-oriented language that enables developers to build a variety of secure and robust applications that run on the .NET Framework. You can use C# to create Windows client applications, XML Web services, distributed components, client-server applications, database applications, and much, much more. Visual C# provides an advanced code editor, convenient user interface designers, integrated debugger, and many other tools to make it easier to develop applications based on the C# language and the .NET Framework.

About the course

In this course you will learn the basis of C#. It is not necessary to have any prior programming experience.

Content

1. Introduction to C# and .Net

· Installing .Net for windows and other platforms

· Installing Visual Studio as IDE

· Understanding .Net and .Net Core

· Understanding .Net Runtime and Framework

· Using .Net Command Line Interface

· Creating the first C# Project

· Editing the C# Code with Visual Studio

2. Learning C# Syntax

· Working with Code Blocks and Statements

· Data types

· Operators, Math

· Conditionals

· Adding numbers and Creating Arrays

· Looping

· Looping through arrays

· Using List

· Computing/formatting

3. Methods

· Methods

· Parameters

· Method Overloadin

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4. Classes

· OOP

· Classes/Objects

· Class members

· Constructors

· Access Modifiers

· Properties

· Polymorphism

· Abstraction

· Interface

· Enums

· Files

· Exceptions

On this course you will have to deal with a lot of examples and exercises for every module.

Schedule

40 hours training

3 days per week / 2 hours per day / 7 weeks