C Sharp Programming

Learn the fundamentals of C# programming.

Duration :   Language : English   Price : 25000

What you will learn?
 - Understanding .NET SDK CLI ,creatingbuilding & running first project.
 - Framework vs Language
 - C# is case senstive and understanding compile errors in CLI.
 - Creating projects using visual studio
 - Project and Solution in visual studio
 - Building and compile using visual studio
 - Difference between C# and .NET
 - CLR
 - Architecture of .NET Framework
 - C# Operators
 - C# Operator Precedence & Associativity
 - C# Bitwise Operators
 - C# Arrays
 - C# Multidimensional Arrays
 - C# Inheritance
 - C# using
 - C# Type Conversion & Casting
 - C# Preprocessor Directives

Features
 - Course material
 - Course resources
 - On demand recorded videos
 - Practical exercises
 - Quizzes
 - Assignments
 - Course completion certificate

Requirements

- System with Internet Connection
- Interest to learn
- Dedication

Course Curriculum

Introduction
- DownloadInstallation of .NET &.NET core vs .NET Framework
- Understanding .NET SDK CLI ,creatingbuilding & running first project.
- Framework vs Language
- C# is case senstive and understanding compile errors in CLI.
- Introduction, Download and Installation of VS Code editor.
- Opening folder in VS code , intellisense and terminal.
- NET Compilation process & Intermediate language code
- Visual studio vs VS Code vs Visual studio for Mac
- Installing and configuring visual studio work loads part 1
- Installing and configuring visual studio work loads part 2
- Creating projects using visual studio
- Project and Solution in visual studio
- Building and compile using visual studio
- Running projects as startup
- Understanding basic code class, namespace and scopes
- Assembly , Exe and DLL Part 1
- Assembly , Exe and DLL Part 2

C# Introduction
- Introduction
- Difference between C# and .NET
- CLR
- Architecture of .NET Framework
- C# Hello World
- C# Keywords & Identifiers
- C# Variables and Data types
- Demo C# Variables
- C# Operators
- C# Operator Precedence & Associativity

- C# Bitwise Operators

- C# Basic IO

- C# Expressions & Statements

- C# Comments

C# Flow Control

- C# if...else

- C# switch Statement

- C# Ternary Operator

- C# while Loop

- C# for Loop

- c# Nested Loops

- C# break Statement

- C# continue Statement

C# Arrays

- C# Arrays

- C# Multidimensional Arrays

- C# Jagged Array

- C# foreach Loop

C# OOP part 1

- C# Class and Objects

- C# Methods

- C# Access Modifiers

- C# Variable Scope

- C# Constructors

- C# this Keyword

- C# static Keyword

- C# Strings

C# OOP (II)

- C# Inheritance

- C# Abstract Class & Methods

- C# Nested Class

- C# Partial Class & Method

- C# Sealed Class & Method
- C# Interface
- C# Method Overloading
- C# Constructor Overloading

Additional Topics
- C# using
- C# Type Conversion & Casting
- C# Preprocessor Directives
- C# Namespaces
- C# struct