

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 sensitive 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

- Download Installation of .NET & .NET core vs .NET Framework
- Understanding .NET SDK CLI , creating building & running first project.
- Framework vs Language
- C# is case sensitive 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