

# Scripting with C#

- **Basics**
  - Procedural and Object-Oriented Programming
  - The C# language
  - Selecting Identifiers
  - Adding Comments
  - Writing & Compiling a C# Program
  - Using the Visual Studio IDE
- **Using Data**
  - Variables
  - Integral & Floating Point DataTypes
  - String DataTypes
  - Boolean Variables
  - Accepting Console Input
- **Using GUI Objects & Visual Studio IDE**
  - Creating a Form
  - Using the Toolbox
  - Adding Buttons
  - Adding Labels
  - Naming Forms & Controls
  - Correcting Errors
- **Decisions & Looping**
  - **if** Statement
  - **if-else** statement
  - Using Conditional Operators
  - Switch Statement
  - **while**, **for**, and **do** loops
  - Nested Loops
- **Arrays**
  - Declaring Arrays
  - Assigning Values to Arrays
  - Length Property
  - Using foreach
  - Using Loops with Arrays
  - Using BinarySearch(), Sort(), and Reverse()
  - Multidimensional Arrays
- **Methods**
  - Understanding Methods
  - Writing Methods
  - Accessibility
  - Static Modifier
  - Return Type
  - Method Identifier
- **Classes & Objects**
  - Understanding Classes
  - Creating an Object Class
  - Creating Objects
  - Creating Properties
  - **public & private** Access
  - Understanding **this** Reference
  - Constructors & Destructors
- **Inheritance**
  - Understanding Inheritance
  - Extending Classes
  - protected Access Specifier
  - Base Class Methods
  - Using Object Class
  - Base Class Constructors
  - Using Extension Methods
- **Exception Handling**
  - Understanding Exceptions
  - Error-Handling Methods
  - ToString() Method and Message Property
  - Multiple Exceptions
  - The finally Block
  - Exception Classes
  - Rethrowing an Exception
- **Controls**
  - Understanding
  - Styling a Control
  - Checkbox and RadioButton Objects
  - PictureBox
  - ListBox, CheckedListBox, ComboBox Controls
  - MonthCalendar & DateTimePicker Controls
  - Other Controls
- **Handling Events**
  - Event Handling
  - Delegates
  - Declaring Events and Handlers
  - Control Component Events
  - Mouse and Keyboard Events
  - Managing Multiple Controls
- **Files & Streams**
  - File and Directory Classes
  - Data Organization
  - Streams

# Working With ADO,ASP,WCF,WPF & MVC With EF

- **Working With ADO**
  - Intro to SQL Server Database
  - RDBMS Concepts
  - Create and Manage Database & Tables
  - Query Data from Tables
  - Manipulate Data in Tables
  - Implement stored Procedures & Functions
  - Implement Triggers & Transactions
  - Implement managed code
  - Introduction to ADO.NET
  - Data Structures and Data Access
  - Components
  - Data Binding
  - Data Access using XML
- **Working With ASP.Net**
  - Creating ASP.NET Application
  - Components of ASP.NET Application
  - ASP.NET Page Processing
  - Web Forms & Controls
  - Server Controls
  - State Management
  - Master Pages
  - User Controls and Custom Controls
  - Site Navigation
  - Themes
  - Caching
  - Configuration
- **Windows Communication Foundation**
  - Introduction to WCF
  - Service Addresses
  - Selecting Binding Options
  - Managing a Service Instance
  - Defining Service Contracts
  - Defining Data Contracts
  - Endpoints
  - Fault Handling
  - Securing WCF Applications
  - WCF Routing Configuration
- **Windows Presentation Foundation**
  - WPF Applications
  - Working with XAML
  - Using XAML Layout Elements
  - WPF User Interface Basics
  - Using WPF Controls
  - Working with Styles, Triggers and Control Templates
  - Working with WPF Windows
  - Working with Menus, Toolbars and Status Bars
  - Working with Multimedia
  - Graphics and Animations
  - Working with Data Binding
  - Commands and MVVM
  - Deploying WPF Applications
- **MVC**
  - Introduction to MVC
  - MVC Architecture
  - The MVC Pattern
  - Essential Language Features
  - Working with Controllers
  - Model Templates
  - Model Validation
  - Working with Views
  - Working with URLs and Routing
  - Working with Areas
  - Ajax and Client Scripting
  - Security

**After Completion of Course Training Certificate and Course Certificate Provided to each Student.**

**Fee 5000/- Rs**

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