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 - ASP.NET Online Training
 - Program
 - ASP.NET Core Training
 - Microservices Online Training using .NET Core
 - Microsoft Azure Training

Introduction & Environment Setup

- How Computer Works
- Introduction to Programming Languages
- How Computer Programs Works
- Different Types of Applications
- Programming Methodologies
- Algorithm, Pseudocode, Programs, and Flowcharts
- Introduction to .NET Framework
- .NET Framework Architecture and Components
- Introduction to C#
- Programming Language
- How to Download and Install Visual Studio on Windows
- Creating First Console Application using Visual Studio
- .NET Developer Roadmap for 2025
- Coding Standard Best Practices

C# .NET Basics

- Basic Structure of C# Program
- Methods and Properties of Console Class in C#
- Data Types in C#
- Literals in C#
- Type Casting in C#
- Variables in C#
- Operators in C#
- Control Flow Statements in C#
 - If-Else Statements in C#
 - Switch Statement in C#
 - Loops in C#
 - While Loop in C#
 - Do While Loop in C#
 - For Loop in C#
 - Break Statement in C#
 - Continue Statement in C#
 - Goto Statement in C#
 - Functions in C#
 - User-Defined Functions in C#
 - Call By Value and Call By Reference in C#
 - Recursion in C#
 - User Input and Output in C#
 - Command Line Arguments in C#
 - String in C#
 - Static Keyword in C#
 - Static vs Non-Static Members in C#
 - Const and Read-Only in C#
 - Properties in C#
 - Why We Should Override ToString Method in C#
 - Override Equals Method in C#
 - Difference Between Convert.ToString and ToString Method in C#
 - Checked and Unchecked Key words in C#
 - Stack and Heap Memory in .NET
 - Boxing and Unboxing in C#

OOPs in C#

- Object Oriented Programming (OOPs) in C#
- Class and Objects in C#
- Constructors in C#
- Types of Constructors in C#
- Why We Need Constructors in C#
- Static vs Non-Static Constructors in C#
- Private Constructors in C#
- Destructors in C#
- Garbage Collection in .NET Framework
- Differences Between Finalize and Dispose in C#
- Access Specifiers in C#
- Encapsulation in C#
- Abstraction in C#
- Inheritance in C#
- Types of Inheritance in C#
- How to Use Inheritance in Application Development
- IsA and HasA Relationship in C#
- Generalization and Specialization in C#
- Abstract Class and Abstract Methods in C#
- Abstract Class and Abstract Methods Interview Questions in C#
- How to Use Abstract Classes and Methods in C# Application
- Interface in C#
- Interface Interview Questions and Answers in C#
- Interface Runtime Examples in C#
- Multiple Inheritance in C#
- Multiple Inheritance Runtime Example in C#
- Polymorphism in C#
- Method Overloading in C#
- Operator Overloading in C#
- Method Overriding in C#
- Method Hiding in C#
- Partial Class and Partial Methods in C#
- Sealed Class and Sealed Methods in C#
- Extension Methods in C#
- Static Classes in C#
- Variable Reference and Instance of a Class in C#

OOPs Real-Time Examples

- Real-time Examples of Encapsulation Principle in C#
- Real-time Examples of Abstraction Principle in C#
- Real-time Examples of Inheritance Principle in C#
- Real-time Examples of Polymorphism Principle in C#
- Real-Time Examples of Interface in C#
- Real-Time Examples of Abstract Class in C#
- Exception Handling
 - Exception Handling in C#
 - Multiple Catch Blocks in C#
 - Finally Block in C#
 - How to Create Custom Exceptions in C#
 - Inner Exception in C#
 - Exception Handling Abuse in C#
- Events, Delegates and Lambda Expression in C#
 - Course Structure of Events, Delegates and Lambda Expression
 - Roles of Events, Delegates and Event Handler in C#
 - Delegates in C#
 - Multicast Delegates in C#
 - Delegates Real-Time Example in C#
 - Generic Delegates in C#
 - Anonymous Method in C#
 - Lambda Expressions in C#
 - Events in C# with Examples
- Multi-Threading
 - Multithreading in C#
 - Thread class in C#
 - How to Pass Data to Thread Function in Type Safe Manner in C#
 - How to Retrieve Data from a Thread Function in C#
 - Join Method and IsAlive Property of Thread Class in C#
 - Chaining Tasks in C#
 - Task-Based Asynchronous Programming in C#
 - How to Create Synchronous Method Using Task in C#
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 - Non-Generic Queue in C#
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