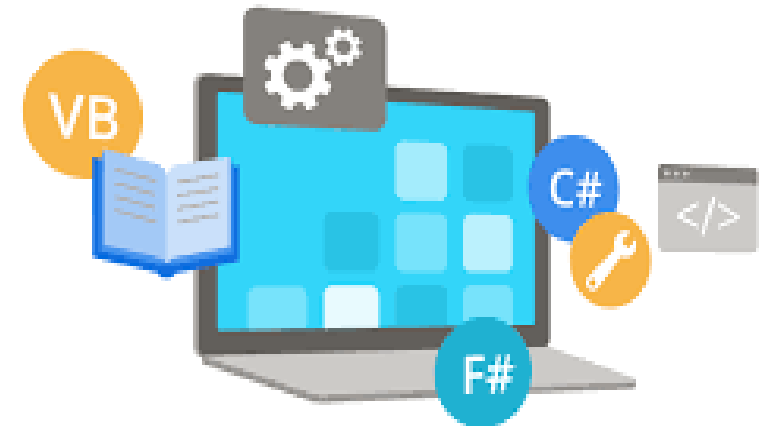ORANGE
I T E C H

ASSOCIATE WITH

EMPIRE TECHS

# ASP.NET SYLLABUS

**DURATION – 3 . 5 MONTHS**
**MODE OF TRAINING – OFFLINE/ONLINE ()**

# ASP.NET-

- ASP.NET is an open-source web framework, created by Microsoft, for building modern web apps and services with .NET. ASP.NET is cross platform and runs on Windows, Linux, macOS, and Docker.
- The base platform provides components that apply to all different types of apps. Additional frameworks, such as ASP.NET, extend .NET with components for building specific types of apps.

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# ASP.NET-

## ➤ Sites

- Web Forms
- Web Pages
- Singles Page Apps
- MVC
- SPA

## ➤ Services

- Web API
- SignalR



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# ASP.NET-

➢ **Web Pages**

- Razor
- Global
- Forms
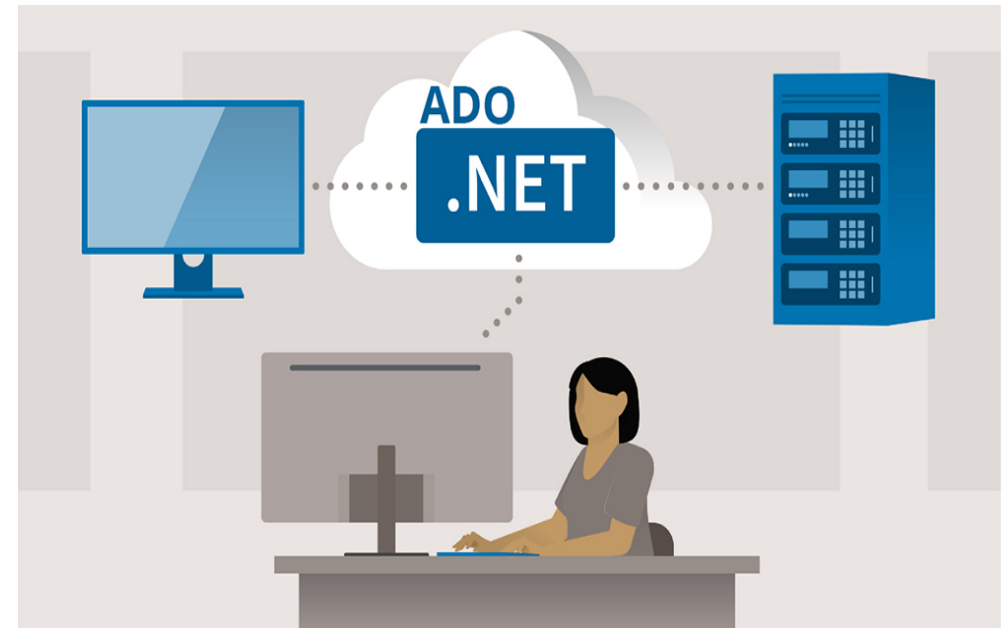- Objects
- Databases
- Helpers
- Web Grid
- Charts
- Layout

# ADO .NET-

ADO is a Microsoft technology

ADO stands for **A**ctiveX **D**ata **O**bjects

ADO is a Microsoft Active-X component

ADO is automatically installed with Microsoft IIS

ADO is a programming interface to access data in a database



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# ADO .NET-

## OBJECTS

- Command
- Connection
- Error
- Field
- Parameter
- Property
- Record
- Recordset
- Stream
- DataTypes


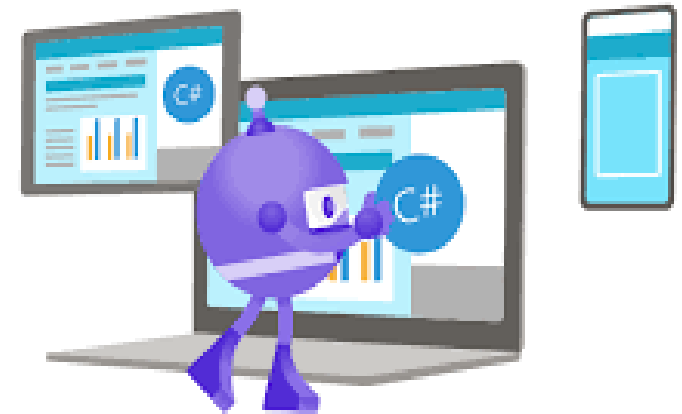
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# C#.NET-

C# is pronounced "C-Sharp".

It is an object-oriented programming language created by Microsoft that runs on the .NET Framework.

C# has roots from the C family, and the language is close to other popular languages like C++ and Java. The first version was released in year 2002. The latest version, **C# 8**, was released in September 2019.
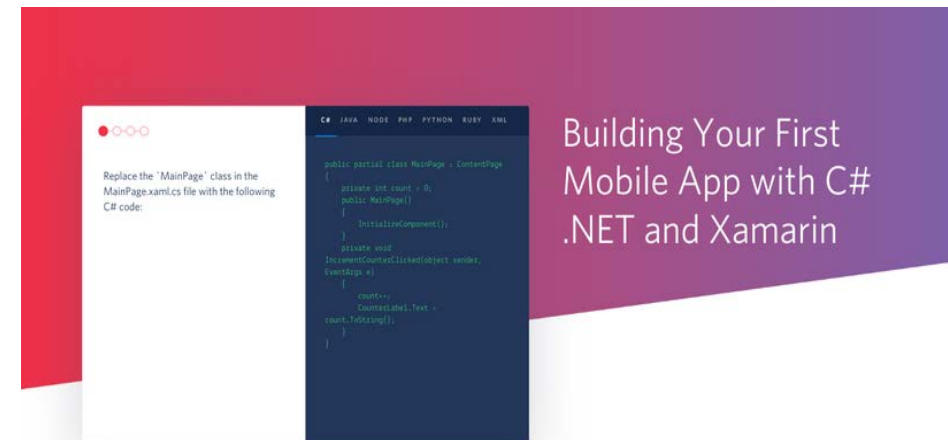
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# C#.NET-

- Object Class
- Control Statement
- Function
- Arrays
- Strings
- Exception Handling
- Abstraction
- File IO
- Collections
- Multithreading
- Synchronization
- Name

Building Your First
Mobile App with C#
.NET and Xamarin

# Variables in C#

# C# Variable

| Variable Type | Example |
|---|---|
| Decimal types | decimal |
| Boolean types | True or false value, as assigned |
| Integral types | int, char, byte, short, long |
| Floating point types | float and double |
| Nullable types | Nullable data type |

# CLR & FCL

- It converts the program into native code.
- Handles Exceptions
- Provides type-safety
- Memory management
- Provides security
- Improved performance
- Language independent
- Platform independent
- Garbage collection

- Base and user-defined data types
- Support for exceptions handling
- input/output and stream operations
- Communications with the underlying system
- Access to data
- Ability to create Windows-based GUI applications
- Ability to create web-client and server applications
- Support for creating web services

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# Internship Program!



UNDER

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