

Learn programming in C# and .NET (code: LC-C#-PROG)

Overview

C# is a modern, object-oriented programming language that allows creation of a variety of programs. Windows applications, internet apps, or mobile apps - all of those can be written using C# and .NET framework. C# is **very simple to learn**. After only a few days a beginner programmer is able to create Windows applications. People who need to process large amounts of data on a daily basis will find .NET integration with Microsoft Office or Microsoft SQL Server a life saver. Advanced knowledge of .NET enables one to build safe, fast and complex business apps. Many complex banking systems are built using .NET framework.

This course is a great introduction to programming for people **without programming experience**. The classes are relatively long but for people without programming experience learning a programming language takes time. At the end of this course participants will create a CRUD (Create, Read, Update, Delete) application using Windows Forms and a database. Thousands of similar applications are created for companies all around the world.

Duration

7 days

Agenda

- Day 1
 - * Introduction to the .NET runtime environment
 - * Introduction to Visual Studio development environment
 - * Creating solutions and new projects
 - * Variables, constants, value types and conversions
 - * Enumeration types (enum)
 - * Communication with a user, standard input and output operations
- Day 2
 - * Conditional statements
 - * Loops
 - * Tables and lists
 - * Functions
 - * Classes and objects
- Day 3
 - * Class constructors
 - * Class properties
 - * Class methods
 - * Access modifiers
 - * Interfaces
 - * Inheritance
 - * Static elements
- Day 4
 - * Introduction to Windows Forms
 - * Windows Forms Controls
 - * Event handling
 - * Application Debugging
- Day 5
 - * File handling

Ask for details

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- * Exception handling
- * Creation of a program solving a given problem
- Day 6
- * Database management fundamentals using Microsoft SQL Server
- * SQL queries - Select, Insert, Update, Delete
- * Library for communication with database
- * Communication with database
- Day 7
- * Creating CRUD (Create, Read, Update, Delete) app using Windows Forms and Microsoft SQL Server

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Target audience and prerequisites

No prior knowledge of programming is required.

Certificates

Course participants receive completion certificates signed by ALX.

Locations

- Online (English) – your home, office or wherever you want
- Warsaw (English) – Jasna 14/16A
- any other location (London, UK, EU) on request

Price

1190 EUR

The price includes:

- course materials,
- snacks, coffee, tea and soft drinks,
- course completion certificate,
- one-time consultation with the instructor after course completion.