

## 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

- Warsaw (English) – Jasna 14/16A
- Online (English) – your home, office or wherever you want
- 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.