

# Sela.

KLA-C

C#KLA\_23019\_1319\_KLA

college@sela.co.il

03-6176666





## C#KLA\_23019\_1319\_KLA

KLA-C - Version: 1

---

 3 days Course

**Description:**

**Intended audience:**

**Prerequisites:**

**Objectives:**

**Topics:**

**Day1**

- C# and .NET Intro
  - What is .NET?
  - .NET Components
  - Introduction to C#
- The C# Language Fundamentals
  - Statements and Expressions
  - Comments
  - Identifiers
  - Variables



- Literals
- Operators
- Control Statements
- Types
  - Arrays
    - Initializing and Accessing Arrays
    - Multidimensional and Jagged Arrays
  - Collections
  - Strings
    - Regular Expression
    - The StringBuilder class
  - Linq
  - IEnumerable

## Day2

- Array, Collections and Strings
  - Arrays
    - Initializing and Accessing Arrays
    - Multidimensional and Jagged Arrays
  - Collections
  - Strings
    - Regular Expression
    - The StringBuilder class
  - Linq
  - IEnumerable
- Exception
  - From Errors to Exceptions
  - Catching Exceptions
  - Exception Flow
  - Throwing Exceptions



- º Exception Filters
- º Exception Classes

## Day3

- Inheritance & Polymorphism
  - º Base and Derived types
  - º Casting, as, is
  - º Polymorphism
  - º Virtual, Abstract, Override and New
  - º Access – Protected
  - º Interfaces
  - º The Object class
  - º Extension Methods
  - º Default interface implementation
- Streams and Files
  - º Streams
  - º The FileStream Class
  - º File I/O
  - º The File and FileInfo Classes
  - º The Path Class
  - º Directory and DirectoryInfo