

# Sela.

KLA-C

C#KLA\_23019\_1319\_KLA

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## 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



- Exception Filters
- Exception Classes

## Day3

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