Mindluster Platform

About the course Data types in c Langauge Programming

Data types in c# Langauge course, in this course we will learn about the Data Types in C# Language, essential for creating robust and efficient applications. Data types define the kind of data that can be stored and manipulated within a program. We will explore the fundamental data types in C#, including value types such as int for integers, float and double for floating-point numbers, char for characters, and bool for Boolean values. Additionally, we will delve into reference types, including string for sequences of characters, and various types of arrays and objects. C# also supports complex data types such as structures (struct), enumerations (enum), and nullable types that add flexibility to handling data. We'll cover how to declare and initialize variables of different data types, the significance of type conversion and casting, and the use of type inference with the var keyword for cleaner and more readable code. Furthermore, we will discuss how C# handles memory management with value types being stored on the stack and reference types on the heap, and the implications this has for performance and memory usage. Practical examples and exercises will provide hands-on experience in manipulating these data types, understanding their properties, and applying best practices for efficient programming. By the end of this course, you will have a comprehensive understanding of data types in C#, enabling you to write more efficient and maintainable code. Join us to master the basics and enhance your C# programming skills.

Programming Category's Courses

Course Lesson(39)

Lesson 1 : **structure of c program overview of C anatomy of a c program anatomy of a c class**

Lesson 2 : **Literals in C Constants in c Define constants in c**

Lesson 3 : **Variables in C Langauge**

Lesson 4 : **data types in c**

Lesson 5 : **Value Types and Reference Types in C**

Lesson 6 : **boxing and unboxing in c**

Lesson 7 : **Operators in C**

Lesson 8 : **branching statements in c decision making statements in C conditional statements in C**

Lesson 9 : **looping control statements in c loops in C**

Lesson 10 :
Parameter passing in C Passing Parameters by Value Reference Output arrays as arguments C

Lesson 11 : **one dimensional array in c net single dimensional array in c with example**

Lesson 12 : **find second largest number in array using c**

Lesson 13 : **multidimensional array in c two dimensional array c rectangular array in c**

Lesson 14 : **Matrix Multiplication Program in C**

Lesson 15 : **Jagged Arrays in C**

Lesson 16 : **sum of all elements of jagged array in c**

Lesson 17 : **array class methods in c**

Lesson 18 : **ArrayList class in C**

Lesson 19 : **strings in c string methods in c string operations in c string class in c**

Lesson 20 : **Constructors and Its Types in C With Examples C Destructor with Examples**

Lesson 21 : **default constructor in c parameterized constructor in c**

Lesson 22 : **copy constructor in c with example**

Lesson 23 : **private constructor in c**

Lesson 24 : **static constructor in c**

Lesson 25 : **overloaded constructor in c Constructor Overloading in C**

Lesson 26 : **inheritance in C types of inheritance in c with example**

Lesson 27 : **Properties in c**

Lesson 28 : **Indexers in c**

Lesson 29 : **Indexer Overloading in c**

Lesson 30 : **method overloading in c**

Lesson 31 : **method overriding in c**

Lesson 32 : **unary operator overloading in C Overloading Increment Operator in C Unary minus**

Lesson 33 : **binary operator overloading in c C program to overload binary plus operator**

Lesson 34 : **C Program to overload on Complex Numbers**

Lesson 35 : **Operator Overloading In C**

Lesson 36 : **Polymorphism in C**

Lesson 37 : **abstract class and abstract method in c**

Lesson 38 : **Sealed Class in C**

Lesson 39 : **Sealed method in C**

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