

C Programming

1 – Month | Duration

Module 1: Introduction to C

- What is Programming?
- What is C Language?
- Structure of C Program
- First C Program (Hello World)

Module 2: Basic Syntax & Data Types

- Keywords
- Variables
- Data Types
- int, float, char, double
- Size of Data Types
- Type Casting
- Input / Output
- printf(), scanf()

Module 3: Operators in C

- Arithmetic Operators
- Relational Operators
- Logical Operators
- Assignment Operators
- Increment / Decrement
- Bitwise Operators

Module 4: Control Statements

Conditional Statements

- if
- if-else
- else-if ladder
- nested if
- switch case
- Looping Statements
- while loop
- do-while loop
- for loop
- nested loops
- Jump Statements
- break
- continue
- goto
- return

Module 5: Functions

- What is Function?



- Types of Functions
- Library Functions
- User Defined Functions
- Function Declaration, Definition & Call
- Function with Arguments & Return Value
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Module 6: Arrays

- Introduction and all about to Array

Module 7: Strings

- Introduction to String
- String Declaration & Initialization

Module 8: File Handling

- Reading & Writing Files

