

Kore Infotech Learning Centre

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C Programming

This course is primarily intended for students who want to learn C++ as a OOP language. The lesson topics are reinforced with structured hands-on examples.

- Good knowledge of C programming language.

Course Topics

1. Introduction

- What is a Programming Language?

A Simple C Program

2. Primitive Data Types and Operations

- Variables

Constants

Identifiers

Keywords

Operators

Character Data Type and Operations

3. The Decision & Loop Control Structure

- If statement

If.. else statement

Nested If .. else statement

Switch statement

For statement

While statement

Do while statement

Nested loops statement

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4. The Case Control Structure

- o Switch statement

go to statement

5. Functions & Pointers

- o Creating a Function

Calling a Function

Passing Values between Function

Call by Value and Call by References

Recursion

Adding Function to the Library

6. The C Preprocessor

- o Features of Preprocessor

Macro Expansion

File Inclusion

7. Arrays

- o Array Basics

Arrays and Pointers

Two dimensional Arrays

Dynamic Memory Allocation

8. Strings

- o Array of Pointers to Strings

Pointers and Strings

9. Structured Date Types

- o Integers, long and short

Float and Doubles

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10. Console I/O

- o **Type of I/O**

Console I/O Functions

Unformatted Console I/O Functions

11. File Input and Output

- o **File Operations**

A File-Copy Program

12. Practical Exercises

