



Programming With C Language

Who Should Attend?

This is aimed to person who wish to:

- Gain knowledge in C.
- Use their Programming Capabilities to develop effective Software's.

Participants should have basic computer literacy.

Course Objectives

At the end of this short course the student will be able to:

- Understand the basic of C.
- Build Small utility software's in C.
- Effective File Handling in C.

Course Description

C is a Programming language used to create effective Software's . C is one of the most popular programming language which is highly demanded in market. Learning C will clear all your programming Concept and you will be able to develop effective Console software's.



Course Outline

I. Overview in C

- What is C
- Basic Structure of C Program
- Data Types in C
- Constants, Variables and Keywords

II. Managing Input & Output

- Reading & Writing Characters
- Formatted Input & Output

III. Decision Making & Branching

- Simple IF Statement
- The IF...ELSE Statement
- Nested IF...ELSE Statement
- The SWITCH Statement

IV. The Loop Control Structure

- Introduction to Loops
- The FOR Loop
- The WHILE Loop
- The DO Loop

V. Arrays

- What are Arrays
- One Dimensional Arrays
- Two Dimensional Arrays
- Sorting & Searching Arrays

VI. Functions

- What is a Function
- Need for User Defined Function
- Function Declaration and Prototype

- Call by Value & Call by Reference
- Recursion

VII. Handling of String

- What is String
- String Handling Functions

VIII. Structures

- Why use Structures
- Declaring a Structure
- Accessing Structure Elements
- More on Structure

IX. Pointers

- Introduction
- Declaring & Initializing Pointers
- Accessing a Variable Through Pointer
- Pointers and Arrays
- Pointers and Strings

X. File Management in C

- Introduction
- Defining & Opening a File
- Closing a File
- Input / Output Operations on Files