Overview of the Programming Languages

- What is C Language
- Why to Learn C Language
- Future in C Language
- Your First C Program
- Compilation & Execution

Data Type, Constants & Variables

- Tokens
- Keywords & Identifiers
- Data Types
- Using Int,float,char,double etc..
- How to declare a variable
- Naming Conventions of C Variable
- Constants
- getting user input
- Displaying formated output
- The % format specifiers
- Adding Comments in program
-

Operators

- Aithmatic
- Assignment
- Relational
- Logical
- Increment and Decrement Operators
- Conditional

Decision Making Statement

- How IF-Else Statement Work
- Understanding the flow
- Logical Expression
- Nesting IF-Else
- switch Statement
- Examples & Assignments to build logics

Control Statement

- While Loop
- For Loop
- Do-While
- Jump statement (break,continuee and goto)
-

Function

- What is a Functions
- Defining and calling Functions
- Passing Values between Functions as arguments
- Return values in C-Functions
- Meaning of void
- Whate is Call by Value
- What is Call by Reference
- Recursion

Pointer

- An Introduction to Pointers
- Pointer Notation in C Language
- Changing in Arguments with a function call
- Pointer Airthmatic
- Array traversal
- Pointer & Character String

Preprocessor

- The C Preprocessor in C Language
- Features of C Preprocessor
- Macro Expansion in C Language
- Macros with Arguments

Arrays

- What are Arrays in C Language
- A Simple Program Using Array
- How to Initialize Array
- Two Dimensional Arrays
- Initializing a 2-Dimensional Array
- Passing array to a Function

- Pointers and Array

Structures & Union

- What is Structures
- Why Use Structures
- Declaring a Structure
- Accessing Structure Elements
- Array of Structures
- Union

File Operation

- File Input/Output
- File Operations
- Opening a Fil
- Reading from a File
- Writing to a File