

Lotus IT Hub Karve nagar Pune

C Syllabus

- Overview of C Language
- Where is it used
- Your First Program
- Role of Compiler
- Role of Interpreter
- Data Type
- How to declare Variables
- ASCII Code Table
- Type Casting
- Operators in C/C++
- Life Cycle of Integer
- Conditional Statement
- If else
- Ternary operator
- Switch case

Loops

- Loop Types
- (for,while,do while)

Array

- Array Types
- Single Dimensional array
- Double Dimensional array
- Single Character Array
- String
- Function
- Pointer
- Understanding Pointers
- Pointer expressions
- Pointer and Arrays
- Pointers and Character String
- Pointers to Functions
- Pointers and Structures Call By Reference Function
- Structure
- File Management In C

- Introduction to File Management
- Opening/Closing a File
- Input/Output operations on Files
- Error Handling During I/O Operations
- Command Line Arguments
- Structures And Unions
- Defining a Structure
- Advantage of Structure
- Dynamic Memory Allocation
- Introduction to Dynamic Memory Allocation
- Malloc
- Calloc
- Realloc
- Free
- Preprocessor
- 39. Macro Substitution
- File Inclusion
- Computer Control Directives

C++ Syllabus

- Difference Between C and C++
- Overview of C++ Language
- Where is it used
- Your First Program of C/C++
- Data Type
- How to declare Variables
- ASCII Table
- Type Casting
- Operators in C/C++
- Life Cycle of Integer
- Conditional Statement
- Life Cycle of Integer
- Conditional Statement
- If else
- Ternary operator
- Switch case
- Loop
- (for,while,do while)
- Array
- Single Dimensional array
- Double Dimensional array
- Single Character Array

- String
- Function
- Pointer
- Pointer and Arrays
- Pointers and Character String
- Pointers to Functions
- Pointers and Structures Call By Reference Function
- Structure
- Input/Output operations on Files
- Error Handling During I/O Operations
- Command Line Arguments

Object Orient Programming

- Oops Concepts
- Class
- Object
- Inheritance
- Method Overloading
- Method Overriding
- Static
- Operator Overloading
- Polymorphism
- Friend's Function
- Templates
- File Handling
- Exception Handling
- Graphics

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