C Programming Training

Course Duration: 1.5 Months • Class Time: 1.5 Hrs

C / C++ and Object Oriented Programming Language

1. Introduction to C Programming language

- History
- Overview of Compilers and Interpreters
- Writing first program
- The C Declarations
- Delimiters
- C Tokens
- Identifiers
- Constants
- Escape Sequences
- Variable declarations
- Data Types
- Operators and Expressions
- Input and Output in C
- Decision Statements
- Loop Control Statements
- Arrays
- Working with Strings and Standard Functions
- Pointers
- Functions
- Storage Class
- Preprocessor Directives
- Structure and Union
- Files
- Graphics in C

C++ Programming Language

2. Learn to Program with C++

- Introduction to Object Oriented Programming (C++).
- Tokens, expression, data types & control structure.
- Introduction to Classes, Objects, Constructor & Deconstructor.
- Functions in C++.
- Function overloading, Operator overloading
- Inheritance, multiple & multilevel inheritance
- Introduction to virtual functions, classes & polymorphism
- File operations using stream classes.
- Exception Handling
- Introduction to Templates.

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