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C Language Course Details

| Course | C Language |
|---------------------------------|-------------------------------------|
| Full form | C Language |
| Eligibility | No Eligibility |
| Duration | 30 days |
| Fee Offered | Rs. 8000 For the course |
| Course Type | Certification |
| Starting salary offered | 20,000 onwards |
| Advance Courses | C++, Java |
| Similar Course | C, C+ |
| Employment opportunities | C language developer, C programming |

C Training Course Objective

This Course main objective for the student to develop primary programming skills upto the higher end in order solve the different programming logics. The student can able write different type of logics at the end of the sessions. After learning the C course the student can able get all the fundamental knowledge in all the languages. After Completion the student can able to attend any MNC Company interview and can solve the technical rounds both theoretically and Practically. We Provide lot of logical examples to make as good as.

Why This Course is Required?

One thing we can speak without C Knowledge there is no Programming Logics to learn any language. There is no interviews for a Fresher without C language. To learn Java, .Net, Databases the list continues so many we require "C" Knowledge for a student Finally to tell many languages are internally Programmed by only C Language.

C Training course overview:

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- C Language Intro
- Environment setup

Introduction

- Standard files
- getchar(), putchar()
- Program structure in c
- Tokens in c
- Keyword, identifier, comments,
- Data types

Input-Output

- Variable Declaration
- Initialization

Variable

- Defining Constants
- Define preprocessor
- const keyword

Constant
and literals

- Auto
- Extern
- Static
- Register

Storage
Classes

- Arithmetic
- Logical
- Relational
- Bitwise
- Assignment
- Misc

Operators

- If Statement
- If else
- Nested If
- Switch case
- Nested switch case

Decision
Making

- Do..While
- While
- For
- Nested For
- Control Statement

Loops

- Call by Value
- Call by Reference
- Recursion

Functions

- One dimensional
- Multi dimensional array

Arrays

- Pointer Basic with syntax declaration, initialization
- Null pointers

Pointers

- String copy, length, concatenation etc operations

String

- Declaration, Initialization
- Structure with function and pointer

Structure

- Basic of union with example

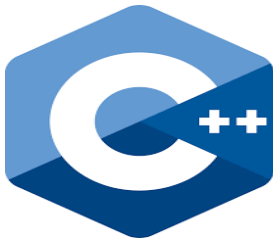
Union

- Create file
- Read and Write file

File
Handling

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C++ Language Course Details

| Course | C++ |
|--------------------------|--|
| Full form | C++ Language |
| Eligibility | No Eligibility |
| Duration | 1 month |
| Fee Offered | Rs. 8000 For the course |
| Course Type | Certification |
| Starting salary offered | 15 k to 20k |
| Advance Courses | Java, Python |
| Similar Course | C, C+ |
| Employment opportunities | C++ language developer, C++ programmer |

Pre-requisite:

Before learning 'C++' programming language one should ensure that he/she already have knowledge on 'C'.

C++ Objectives:

- The main objective student can able to implement the applications can develop the Programs with classes and objects.
- The developed application of C can change into with classes and can add all the Object Oriented Concepts.
- Developing in C++ the application is more optimized and efficient than C.

C++ Training course overview:

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- Programming methods
- OOP Concept
- Intro To C++
- Structure of C++
- Scope Resolution Operator, Data type, variable, Operator etc.

Basics in C++

- Conditional Statements
- Loops
- Jump Statement (goto, break, continue)

Control Structures

- Intro to Function
- Defining Function
- Prototype
- Actual and Formal Argument
- Parameter Passing Technique

Functions

- Class and Objects
- Encapsulation
- Polymorphism
- Static, Dynamic binding
- Inheritance
- Abstraction

OOPs Concept

- Class Declaration
- Access member and Member functions
- Creating Objects
- Static Members
- Friend function and classes, this pointer

Class Objects

- Defining Constructor
- Default Constructor
- Argument Constructor
- Copy Constructor
- Constructor Overloading
- Destructor

Constructor Destructor

- Need Of Overloading
- Defining Overloaded function
- Overloading Other operators

Operator Overloading

- Introduction
- Types Of Inheritance
- Single, multiple, multilevel, hybrid, hierarchical inheritance
- Inheritance Scope

Inheritance, Abstraction, Interface

- Type of Polymorphism
- Dynamic binding
- Function overriding
- Virtual function
- Pure virtual function

Polymorphism Virtual functions

- Need of template
- Defining template
- Function template
- class template

Templates

- What is exception
- Types of exception
- Exception handling mechanism

Exception Handling

- Hierarchy of Stream
- Istream, ostream functions

Streams

- Hierarchy of file stream
- opening file
- file opening modes
- Reading of file
- Writing of file
- file functions

File Handling

- Dynamic memory allocation for arrays
- Dynamic memory allocation for objects

Dynamic Memory

- References
- Date time
- Numbers in c++
- Array, pointer, structure
- Storage classes

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