



ISO 9001 : 2015 Certified

C++ Language Syllabus

C++ Overview

1. C++ Characteristics
2. Object-Oriented Terminology
3. Polymorphism
4. Object-Oriented Paradigm
5. Abstract Data Types
6. I/O Services
7. Standard Template Library
8. Standards Compliance

Functions and Variables

1. Functions: Declaration and Definition
2. Variables: Definition, Declaration, and Scope
3. Variables: Dynamic Creation and Derived Data
4. Arrays and Strings in C++
5. Qualifiers

Classes in C++

1. Defining Classes in C++
2. Classes and Encapsulation
3. Member Functions
4. Instantiating and Using Classes
5. Using Constructors

Multiple Constructors and Initialization Lists

1. Using Destructors to Destroy Instances
2. Friendship

Operator Overloading

1. Operator Overloading
2. Working with Overloaded Operator Methods

Initialization and Assignment

1. Initialization vs. Assignment
2. The Copy Constructor
3. Assigning Values
4. Specialized Constructors and Methods
5. Constant and Static Class Members

Storage Management

Website: - www.shimpyinfotech.com; info@shimpyinfotech.com

Email: shimpyinfotech@gmail.com; sshimpy.srivastava@gmail.com

Address: - Plot No. 36, Harbans Nagar, Meerut Road, Ghaziabad (201002)

1. Memory Allocation
2. Dynamic Allocation: new and delete

Inheritance

1. Overview of Inheritance
2. Defining Base and Derived Classes
3. Constructor and Destructor Calls

Polymorphism

1. Overview of Polymorphism

Thus, if you are looking for C++ Programming training classes, just contact us at info@shimpyinfotech.com to experience the best PHP training modules.

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