

C++

60 Days Training Program



"C++: Empowering Boundless Innovation"

IIHT Jaipur believe that upskilling is mightier than massive layoffs. And not just us, but countless companies attest to it and have adopted this approach in their businesses as well. The domain expertise these upskilled individuals bring in is what sets them apart. We focus on nurturing these aspects. So, whether you are a student in college or a fresh graduate entering corporate, we have something for you to offer.

We are an online and offline training institution that provides students and professionals with courses in high demand. We provide training in a vast array of technologies, including Cloud Computing, DevOps, Cyber Security, Full stack development, Data Science, Digital Marketing, and Web Development, among others.

C++ is the most prevalent and widely-used programming language in the globe. This free C++ training course is an excellent method to begin learning C++ and grasp its fundamental ideas. This course covers several C++ fundamentals. It is necessary to remain current and prepared for the world's challenges.

Appropriate for Major Projects

The C++ programming language is ideally adapted for large-scale undertakings. C++ is used to create numerous projects, including compilers, cloud storage systems, databases, game development, and graphic designs, among others.

Helps Learn Other Programming Languages

C++, an intermediate language, will improve your programming structure knowledge.

High Wages

Facebook, Google, and other well-known companies hire C++ engineers and pay them well. The average compensation of a C++ developer in India is 7,78,290 INR, while in the US, it is \$118,305. Different companies compensate entry-level and experienced C++ developers differently.

MENT OF
YEAR



C++ Overview

- C++ Characteristics
- Object Oriented Terminology
- Polymorphism
- Object-Oriented Paradigm
- Abstract Data Types
- I/O Services
- Standard Template Library
- Standards Compliance

Functions and Variables

- Functions: Declaration and Definition
- Variables: Definition, Declaration, and Scope
- Variables: Dynamic Creation and Derived Data
- Arrays and Strings in C++
- Qualifiers

Classes in C++

- Defining Classes in C++
- Classes and Encapsulation
- Member Functions
- Instantiating and Using Classes
- Using Constructors
- Multiple Constructors and Initialization Lists
- Using Destructors to Destroy Instances
- Friendship

Operator Overloading

- Operator Overloading
- Working with Overloaded Operator Methods

Initialization and Assignment

- Initialization vs. Assignment
- The Copy Constructor Assigning Values
- Specialized Constructors and Methods
- Constant and Static Class Members

Storage Management

- Memory Allocation
- Dynamic Allocation: new and delete Inheritance
- Overview of Inheritance
- Defining Base and Derived Classes
- Constructor and Destructor Calls

Polymorphism

- Overview of Polymorphism

Input and Output in C++ Programs

- Standard Streams
- Manipulators
- Unformatted Input and Output
- File Input and Output

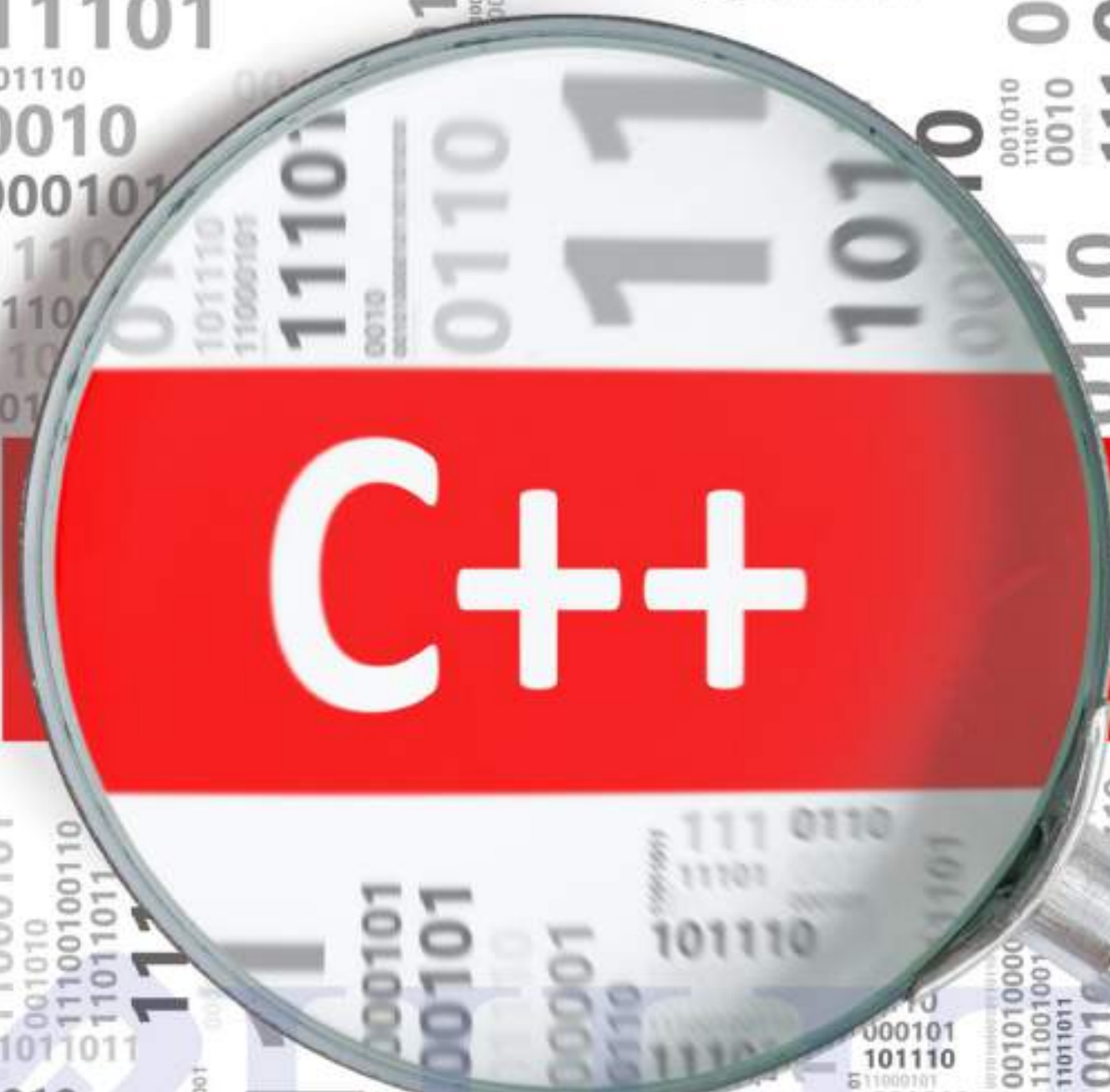
Exceptions

- Exceptions
- Inheritance and Exceptions
- Exception Hierarchies
- Inside an Exception Handler

Templates

- Template Overview
- Customizing a Templated Method
- Standard Template Library Containers










Connecting Talent to Opportunity

INTEGRATED INSTITUTE OF HARDWARE TECHNOLOGY



-  9462081318 | 9057015702
-  0141-2721218
-  www.iiht.org.in
-  info@iiht.org.in
-  47, Jai Ambey Nagar, Opp. Jaipur Hospital, Main Tonk Road, Flyover, Near Gopalpura, Jaipur, Rajasthan - 302018