**SLOG SOLUTIONS PRIVATE LIMITED**

**Inheritance**

* Overview of Inheritance
* Defining Base and Derived classes
* Types of Inheritance

**Exception Handling and Templates**

* Exceptions
* Exception Hierarchies
* Inside Exception handling
* Templates Overview
* Customizing templates and methods

**File Handling**

* Create file
* Read and write to file
* Close file
* Various mode to handle a file

**TECHNOLOGY: C++**

**DURATION: MODULE 1 (4 WEEKS)**

**MODULE 1:**

**C++ Essentials**

**Introduction to OOPS Concepts**

* history
* Object Oriented Programming Style
* Difference between C and CPP
* Features of oops
* Function and Variable
* Function declaration and definition
* Variable definition, declaration and scope

**Classes & Objects**

* Classes in c++
* How to define class in c++
* Encapsulation

**Using Constructors and polymorphism**

* Multiple constructor and initialization
* Using destructor to destroy instances
* Constructor overloading
* Method overloading
* Operator overloading
* Customizing templates and methods

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