GeeksforGeeks

Master C++ Programming

Complete Beginner to Advanced

Detailed
Course Syllabus

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C++ BASICS

- Background Introduction
- Why do we need Programming Languages
- C++ Introduction
- C++ Standards and Implementation
- Writing First Code in C++
- Comments in C++

• Practice Problems

VARIABLES AND DATA TYPES

- Variable in C++ and Naming Rules
- Data Types in C++
- Range of Data Types
- Global variable and scope
- sizeof in C++
- static in C++
- const in C++
- auto in C++
- Literals in C++
- Type Conversion in C++
- Swap two numbers

• Practice Problems

INPUT OUTPUT IN C++

- Input in C++ (cin)
- Output in C++ (cout)
- Buffering in C++
- Escape Sequence in C++
- IO Manipulation
- Floating Point: Default Print Format,
  Manipulating Default format, fixed and scientific

• Practice Problems

OPERATORS

- Arithmetic Operators
- Comparison Operators
- Logical Operators

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MULTIDIMENSIONAL ARRAY

TEMPLATES IN C++

OBJECT ORIENTED PROGRAMMING IN C++

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