



# C++ Roadmap 2024

Learn C in 21  
Days



Complete Roadmap

## Day 01 :

### >> Introduction to C++

- C++ Introduction
- Setting up C++ environment
- C++ vs C
- C++ vs Java
- Hello World program in C++

## Day 02 - 03:

### >> Variables, Datatypes, & Operators

- Variables & Data types in C++

- Operators in C++

- Reference variable in C++

- Operator Overloading

- Default Arguments in C++

## Day 04 - 06 :

### >> Conditional & Control Flow Statement

- Loops in C
- Decision making statements (if, else)
- Switch statement in C
- Continue & Break statements
- Practice Questions

## Day 07 – 09 :

### >> Array, Pointers & String

- Array & Strings in C++

- Pointers in C++

- Pointers vs References

- Namespace in C++

- Practice Questions

## Day 10 - 13 :

### >> Functions & OOP's

- Functions in C++
- Function Overloading
- C++ Classes and Objects
- OOP in C++
- Constructors
- Practice Questions



## Day 14 - 17 :

### >> I/O streams, dynamic memory & STL in C++

- Files & Streams in C++
- Dynamic memory allocation in C++
- malloc() vs new
- Templates in C++
- C++ Standard Template Library (STL)
- Practice Questions

## Day 18 - 21 :

### >> Exception, signal handling & Multithreading in C++

- Exception Handling in C++

- Signal Handling in C++

- Stack unwinding

- Multithreading in C++

- Practice Questions