

ZERO TO HERO: C/C++

Syllabus

1. Getting Started with Programming in C

- a. Getting Started
- b. Write and Explore Your First Program in C
- c. Tokens
- d. User Input
- e. Operators
- f. Conditional Statements
- g. Algorithms and Flowcharts
- h. Miscellaneous Concepts
- i. Best Practices

2. Diving into C Programming

- a. Module Overview
- b. Loops
- c. Loop Control Statements
- d. Arrays
- e. Strings
- f. Functions
- g. Recursion
- h. Pointers
- i. Memory Management
- j. User Defined Data Types
- k. Miscellaneous Concepts
- l. Module Summary

3. Fundamentals of Object Oriented Programming Using C++

- a. Module Overview
- b. Getting Started with C++
- c. Migrating from C to C++
- d. Class and Object
- e. Constructors and Destructors
- f. Inheritance
- g. Access Specifiers
- h. Polymorphism
- i. Abstract Class
- j. Friend Class and Friend Function
- k. Miscellaneous Concepts
- l. Module Summary

4. Diving into C++ Programming

- a. Module Overview
- b. Namespaces
- c. Standard Libraries
- d. Preprocessor Directives
- e. Exception Handling
- f. Debugging
- g. File Handling
- h. Miscellaneous Concepts
- i. Module Summary

FAQ

What is this training program about?

This is an online training program in which you will learn C programming and C++ online. You will be trained to write functions and develop applications.

How will the training be imparted?

The Programming with C and C++ training will be delivered using LIVE classes twice a week and interactive exercises.

What is the duration of this training?

This is a 4 weeks training program.

Who can join? I am a beginner/advanced user, can I learn C programming?

This training would be better suited to beginners who have no prior knowledge of C Programming.

Are there any pre-requisites for joining this program?

This program is for beginners. There are no pre-requisites.

Will there be any project that I will get to work on?

Yes, there will be a project that you will be working on.

What hardware/software are required for doing this training?

A 64-bit operating system (with a working internet connection) having a minimum of 2 GB of RAM is required.

Will I be able to download the training content?

Yes, you can.

Can the material be used by a group of students?

No. These training programs are meant for individual users. Multiple users will not be allowed.

If you have any queries or any doubts regarding the training, please write to us at rapidcodeindia@gmail.com