



## Useful Resources for C++ Programming Language

### Online C++ Compiler

01. [Online C++ Compiler - online editor \(onlinegdb.com\)](https://onlinegdb.com)
02. [Online Code Editors, Compilers & Playground | Sololearn](https://sololearn.com)
03. [Online C++ Compiler \(programiz.com\)](https://programiz.com)
04. [Online C++ Compiler \(tutorialspoint.com\)](https://tutorialspoint.com)
05. [C++ Online Compiler \(Editor / Interpreter\) \(w3schools.com\)](https://w3schools.com)
06. [C++ Shell \(cpp.sh\)](https://cpp.sh)
07. [C++ Online Compiler & Interpreter - Replit](https://replit.com)
08. [Online C++ Compiler - Online C++ Editor - Run C++ Online - Online C++ Runner \(jdoodle.com\)](https://jdoodle.com)
09. [C++ - OneCompiler - Write, run and share C++ code online](https://onecompiler.com)
10. [Online C++ Compiler | Online C++ Editor - Scaler Topics](https://scaler.com)
11. [Online C/C++ Compiler – Techie DelightOnline C / C++ Compiler \(online-cpp.com\)](https://techiedelight.com)
12. [Online C++ Compiler - myCompiler](https://mycompiler.com)
13. [Online C++ compiler and IDE - API provided by Sphere Engine - Ideone.com](https://ideone.com)
14. [Online C++ Compiler \(online-cpp.com\)](https://online-cpp.com)
15. [Online C++ Compiler - Coding Ninjas Codestudio](https://codestudio.net)
16. [Compiler Explorer \(godbolt.org\)](https://godbolt.org)
17. [compile c++ gcc online \(rextester.com\)](https://rextester.com)
18. [Online C++ compiler | Online editor and compiler \(paiza.io\)](https://paiza.io)
19. [C++ Online Compiler and Editor \(IDE\) - workat.tech](https://workat.tech)
20. [Online C++ Compiler \(geekflare.com\)](https://geekflare.com)
21. [Compile and run the code with online compiler and IDE | CodeChef](https://codechef.com)
22. [C++ Online IDE, Compiler, Interpreter & Code Editor \(codeanywhere.com\)](https://codeanywhere.com)
23. [Online C++ Compiler | Run C++ Online - CodeSpeedy](https://codespeedy.com)
24. [C++ Online Compiler - GeeksforGeeks](https://geeksforgeeks.com)
25. [Online C++ IDE - OnlineIDE \(online-ide.com\)](https://online-ide.com)
26. [C++ Online IDE | C++ Online Compiler | MYTAT](https://mytatt.com)
27. [Online C/C++ Compiler – Techie Delight](https://techiedelight.com)

### Coding Practice

01. [LeetCode - The World's Leading Online Programming Learning Platform](https://leetcode.com)
02. [Competitive Programming | Participate & Learn | CodeChef](https://codechef.com)
03. [Coderbyte | Technical Assessments & Interviews](https://coderbyte.com)
04. [Home | Codewars](https://codewars.com)
05. [Coding Games and Programming Challenges to Code Better \(codinggame.com\)](https://codinggame.com)
06. [HackerRank](https://hackerrank.com)
07. [Technical Assessment & Code Challenge Platform | Geektastic](https://geektastic.com)
08. [About - Project Euler](https://projecteuler.net)
09. [Sphere Online Judge \(SPOJ\)](https://spoj.com)
10. [Top Website Designers, Developers, Freelancers for Your Next Project | Topcoder](https://topcoder.com)
11. [GeeksforGeeks | A computer science portal for geeks](https://geeksforgeeks.com)

## **Introduction to C++ Programming Language – Coding Examples**

01. [C++ Examples | Programiz](#)
02. [C++ Questions and Answers \(tutorialspoint.com\)](#)
03. [Solve C++ | HackerRank](#)
04. [C++ Examples \(codebind.com\)](#)
05. [250 C++ Program Examples & Solutions | Techstudy](#)
06. [C++ Basic - Exercises, Practice, Solution - w3resource](#)
07. ["Examples" - C++ Search results \(cplusplus.com\)](#)
08. [C++ Tutorial - Learn C++ Programming with examples \(beginnersbook.com\)](#)
09. [Top 10 C++ Projects Ideas for C++ Beginners in 2023 \[Updated\] \(hackr.io\)](#)
10. [An Introduction to C++ Programming for First-time Programmers - C++ Programming Tutorial \(ntu.edu.sg\)](#)
11. [C++ Overview \(uhcl.edu\)](#)

## **Extra Resources: Data Structure – Coding Examples**

01. [Data Structures in C++ — Part 1. Implementing common data structures in... | by Vijini Mallawaarachchi | Towards Data Science](#)
02. [C++ | Data Structures Code Examples \(happycodings.com\)](#)
03. [Stack Data Structure In C++ With Illustration \(softwaretestinghelp.com\)](#)
04. <https://cplusplus.com/doc/tutorial/structures/>
05. [C++ Data Structures \(tutorialspoint.com\)](#)
06. [9 C++ data structures you need to know for your coding interview \(educative.io\)](#)
07. [fullText.pdf \(clemson.edu\)](#)
08. [Data Structures in C++ - TechVidvan](#)
09. [Data Structure Programs using C and C++ - Solved Data Structure Programs \(includehelp.com\)](#)
10. [Stack Data Structure and Implementation in Python, Java and C/C++ \(programiz.com\)](#)
11. [C++ Tutorial: Linked List - 2020 \(bogotobogo.com\)](#)
12. [Hash Table in C/C++ - A Complete Implementation | DigitalOcean](#)
13. [C++ STL: Policy based data structures - Codeforces](#)
14. [Abstract Data Types in C++ — Programming and Data Structures 0.2 documentation \(eecs280staff.github.io\)](#)
15. [Data Structures in C++ - Sanfoundry](#)
16. [Arrays as Data Structure in C/C++ Programming – MYCPLUS - C and C++ Programming Resources](#)
17. [Algorithms and data structures in C/C++ - Cprogramming.com](#)
18. [C++ for Programmers: C++'s Built-In Data Structures Cheatsheet | Codecademy](#)
19. [Data Structures and Algorithms Problems in C++ using STL | by Coding Freak | Techie Delight | Medium](#)
20. [Implementation of A\\* \(redblobgames.com\)](#)
21. [Red Black Trees \(with implementation in C++, Java, and Python\) | Algorithm Tutor](#)
22. [Chapter 7. Designing lock-free concurrent data structures - C++ Concurrency in Action: Practical Multithreading \(manning.com\)](#)
23. [C++ Structures \(struct\) \(w3schools.com\)](#)
24. [Implementing Binary tree in C++ \(opengenius.org\)](#)
25. [Section 1: C++ data structures – CS 61 2021 \(harvard.edu\)](#)
26. [Linked List Data Structure \(programiz.com\)](#)
27. [Sets in C++ Explained with Examples | Udacity](#)

28. [Top 50+ Data Structure Interview Questions and Answers \(2022\) - InterviewBit](#)

### **Extra Resources: Algorithm – Coding Examples**

01. [C++ Algorithm | Examples of C++ Algorithm with Detail Explanation \(educba.com\)](#)
02. [C++ Basic Algorithm - Exercises, Practice, Solution - w3resource](#)
03. [The 114 standard C++ algorithms. Introduction | by Šimon Tóth | ITNEXT](#)
04. [Top 5 Beautiful C++ std Algorithms Examples - CodeProject](#)
05. [C++ | Algorithms Code Examples \(happycodings.com\)](#)
06. [C++ Program for QuickSort - GeeksforGeeks](#)
07. [Dijkstra's Algorithm in C++ | Shortest Path Algorithm | FavTutor](#)
08. [GitHub - daancode/a-star: A\\* algorithm C++ implementation.](#)
09. [BFS Graph Algorithm\(With code in C, C++, Java and Python\) \(programiz.com\)](#)
10. [QuickSort \(With Code in Python/C++/Java/C\) \(programiz.com\)](#)
11. [Linear Search Algorithm with C++ Code | Data Structures & Algorithms - Simple Snippets](#)
12. [Quick Sort In C++ With Examples \(softwaretestinghelp.com\)](#)
13. [Insertion Sort In C++ With Examples \(softwaretestinghelp.com\)](#)
14. [C++ Algorithms - Sanfoundry](#)
15. [How to implement Dijkstra's Algorithm in C++ \(educative.io\)](#)
16. [Kmp Algorithm C++ With Code Examples \(folkstalk.com\)](#)
17. [Red Black Trees \(with implementation in C++, Java, and Python\) | Algorithm Tutor](#)
18. <https://cplusplus.com/reference/algorithm/>
19. [Dijkstra's Algorithm: C++, Python Code Example \(guru99.com\)](#)
20. [Algorithms library - cppreference.com](#)
21. [C++ Source Codes \(fsu.edu\)](#)
22. [Algorithms in C++. Complete Search, Greedy, Divide and... | by Vadim Smolyakov | Towards Data Science](#)
23. [Dynamic Programming in C++ - Cprogramming.com](#)
24. [Merge Sort Algorithms and Examples| Merge Sort using Java, C++ \(mygreatlearning.com\)](#)
25. [C++ Core Guidelines \(isocpp.github.io\)](#)
26. [C++17 in details: Parallel Algorithms - C++ Stories \(cppstories.com\)](#)
27. [A Genetic Algorithm Function Optimizer in C++ - technical-recipes.com](#)
28. [Boruvka's algorithm for Minimum Spanning Tree in C++ - CodeSpeedy](#)
29. [Crack the top 40 C++ coding interview questions \(educative.io\)](#)