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However, what they fail to explain is that once you've handed over your personal details (don't do that), the next of those "Quick steps" is paying them £12 per month, £40 every 4 months or £96 per year! Date of experience: June 25, 2025Hi, Thank you very much for taking the time to share your impression with us. We're terribly sorry you felt misled; that's never our intention.We're really keen on hearing more about your perspective to help us understand how we can better communicate our services up front. We'd be happy to help delete your data or inform you on how you can still make use of an account without a paid subscription if you'd like to email us at help@perlego.com with your account details. Thank you again and hope to hear from you soon.Sincerely, The Perlego Team I find this to be a very useful resource and I would recommend it. This online library features many titles in mine and other fields, ranging from more classic, reference titles to more up to date works. Very excited to have a complete library at my fingertips!Date of experience: June 20, 2025I canceled my account but the website kept charging me \$22/month for a year before I caught it. The company refused to refund me except for the last two payments saying I should've caught this even though it was their fault but the cancellation wasn't honored on their website. I've seen others reporting problems with canceling subscriptions (google it). I am posting this warning here, so that you do your due diligence and check your bank account for charges after you cancel your subscription with them. Date of experience: June 18, 2025Hi there,Thank you for taking the time to share your feedback. We understand that it can be frustrating to see unexpected charges, and we're sorry for any confusion caused.At Perlego, we strive to make managing your subscription as clear and straightforward as possible. 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That said, we appreciate the context you've shared, and the team has already gone beyond our standard policy to offer a refund for the most recent charges in recognition of the situation.Thanks again for your feedback - it helps us improve and ensures we're providing the best possible experience going forward.All the best,The Perlego TeamCustomer service was prompt and goodDate of experience: June 17, 2025Perlego is a really helpful tool for my studies at Bible college. It has a large collection of scholarly books available. The vast majority of the books I need to read for each class are included in Perlego. To get through my readings each week I often have it read them out me while I'm driving or doing the dishes, which is a nice time saver.It's also great for doing assignments, as it gives a vast variety of resources to use and cite. 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I have been using Perlego for three years and plan to continue to do so for a while. Date of experience: June 02, 2025As a mature student working remotely on gaining a new qualification, Perlego has enabled me to access a wealth of knowledge, resources and support that I would have struggled to find elsewhere. From a very accessible and easy to use interface, a huge library, innovative AI and a range of tools to support reading, studying and note taking, I honestly wish Perlego had been around when I was first a student. I've renewed my membership and moved from 4 months to yearly because of how impressed I have been with the service. Date of experience: May 27, 2025Great choice. Intuitive interface. Professional customer support. Recommended.Date of experience: May 03, 2025I wasn't sure about signing up to this but I now use it for every uni assignment and will likely keep it once I finish uni as there are so many books at the click of a button. 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Enrollment: 178k Practice Problems: 121+ Projects: 2+ Certifications C is one of the foundational programming languages used in the development of compilers, operating systems, and embedded systems where speed and efficiency matter. It is considered the strongest programming language because it provides a strong understanding of fundamental coding concepts like data types, variables, loops, and functions. With a competitive base salary, there is a significant demand for C developers in high-stake fields where high performance is crucial. In this guide, we will cover: Beginner's Guide to C Is C for you? Best Way to Learn C How to Run C? If you are simply looking to learn C step-by-step, you can follow our free tutorials in the next section. Whether C is the right choice depends on what you want to accomplish and your career goals. C from a Learning Perspective If you are new to coding, learning C can help you build a strong programming foundation. However, when we compare the code of C with other modern languages like Python, C might seem a bit complex. For example, the following programs perform the addition of two numbers in both C and Python. #include int main() { int x = 5, y = 10; printf("%d", x + y); return 0; } x = 5 y = 10 print(x + y) As you can see, C code includes a lot of syntaxes to perform the same task. That being said, programming languages like C++, Python, and Java are based on C, so it's relatively easier to switch to these languages once you have a good grasp of C. You typically learn C first, and then move on to other alternatives such as JavaScript for web development, Python for data science and machine learning, and Kotlin, Swift, or Java for mobile app development will be more suitable. Ultimately, your career choice is important in deciding whether C is right for you. There is no right or wrong way to learn C. It all depends on your learning style and pace. In this section, we have included the best C learning resources tailored to your learning preferences, be it text-based, video-based, or interactive courses. Text-based Tutorial Best: if you are committed to learning C but do not want to spend on it If you want to learn C for free with a well-organized, step-by-step tutorial, you can use our free C tutorials. Our tutorials will guide you through C programming one step at a time, using practical examples to strengthen your foundation. Interactive Course Best: if you want hands-on learning, get your progress tracked, and maintain a learning streak Learning to code is tough. It requires dedication and consistency, and you need to write tons of code yourself. While videos and tutorials provide you with a step-by-step guide, they lack hands-on experience and structure. Recognizing all these challenges, Programiz offers a premium Learn C Course that allows you to gain hands-on learning experience by solving challenges, building real-world projects, and tracking your progress. Remember, there is no easy shortcut to learning coding! Online Video Best: if you are an audio-visual learner and learn by watching others code and following along If you're more of a visual learner, we have created a C programming playlist for beginners that will guide you on your journey to C programming. Additionally, you can also follow the C course from Freecodecamp. Mobile App Best: if you are a casual and hobby learner who wants to just get to know C While it's possible to learn C from mobile apps, it's not the ideal way because writing code can be challenging. Additionally, it's difficult to build real-world projects with multiple files on mobile devices. Nevertheless, you can use these apps to try things out. Important: You cannot learn to code without developing the habit of writing code yourself. Therefore, whatever method you choose, always write code. While writing code, you will encounter errors. Don't worry about them, try to understand them and find solutions. Remember, programming is all about solving problems, and errors are part of the process. 1. Run C in your browser: We have created an online editor to run C directly on your browser. You don't have to go through a tedious installation process. It's completely free, and you can start coding directly. 2. Install C on your computer: Once you start writing complex programs and creating projects, you should definitely install C on your computer. It's needed especially when you are creating projects with multiple files and folders. To install C on your device, you can use this guide. Learn how you can install and use C on your own computer. Learn more C is a general-purpose mid-level programming language developed by Dennis M. Ritchie at Bell Laboratories in 1972. It was initially used for the development of UNIX operating system, but it later became popular for a wide range of applications. Today, C remains one of the top three most widely used programming languages.Why learn C?C is considered as the fundamental language of computer programming. Many modern languages such as C++, Java, Python, and Go derive their syntax from C. So, if you learn C, not only you will have strong grasp of fundamental concepts but also find it easier to learn other programming languages.Also, C is used in creating almost all of the operating systems and embedded systems. So, if you have interest in low level coding, learning C is mandatory.C FundamentalsThis section of the C tutorial includes basic concepts that build the foundation for writing C programs. It teaches you how to store and output data, perform arithmetic and other operations, control the program flow, etc.C FunctionsFunctions are block of code that performs a specific task. They allow programmers to write modular and reusable code.Compound Data Types in CCompound data types are created from primitive data types and provides a different way to use them according to our needs. This section of C tutorial teaches you about the compound data types and how to efficiently organize and process real world data.Memory Management in CThis section covers the manual memory management in C using pointers. The dynamic memory management in C uses functions like malloc(), calloc(), realloc(), and free() to manually manage the memory while avoiding errors such as memory leak.File Handling in CThis section teaches you how to work with files in C, including creating, reading, writing, manipulating and deleting files.C Error HandlingUnlike other programming languages that have automatic error handling, in C language error handling is to be manually done by the developers using error-handling methods, debugging strategies, and functions like perror(), strerror(), etc.Miscellaneous C ConceptsThis section explores various essential of C language that do not fit into a single category but play a vital role in C programming and ensure proper operation of embedded systems.System Programmer: People who work on system-level software like operating systems, device drivers, Game Developer: Designs and creates video games ensuring smooth gameplay across platforms.Network Engineer: Configure create and manage computer networks (like LANs, WANs) to ensure efficient and secure communication across the network.You can use our list of carefully selected interview questions based on C programming to prepare for your technical interviews: C Introduction C Standards and Implementation Basic C Programming Terminology How do C Programs Run? First C Program Comment in C C Programming Language Tutorial C Language Introduction Features of C Programming Language C Programming Language Standard C Hello World Program Compiling a C Program: Behind the Scenes C Comments Tokens in C Keywords in C C Variables Constants in C Constant Qualifier in C Different ways to declare variable as constant in C Scope rules in C Internal Linkage and External Linkage in C Global Variables in C Data Types in C Literals in C Escape Sequence in C bool in C Integer Promotions in C Character Arithmetic in C Type Conversion in C Basic Input and Output in C Format Specifiers in C printf in C scanf in C Scansets in C Formatted and Unformatted Input/Output functions in C Operators in C Arithmetic Operators in C Unary Operators in C Relational Operators in C Bitwise Operators in C C Logical Operators Assignment Operators in C Increment and Decrement Operators in C Conditional or Ternary Operator (?:) in C sizeof operator in C Operator Precedence and Associativity in C Decision Making in C (if, if-else, Nested if, if-else-if) C - if Statement C - if else Statement C - if, else if ladder Switch Statement in C Using Range in switch Case in C C - Loops C for Loop while Loop in C do...while Loop in C C For vs. While Continue Statement in C Break Statement in C C Functions User-Defined Function in C Parameter Passing Techniques in C Function Prototype in C C can't return multiple values from a function? main Function in C Implicit Return Type in C Callbacks in C Nested Functions in C Variadic Functions in C. Noreturn function specifier in C Predefined Identifier func_ in C C Library math.h Functions C Arrays Properties of Array in C Multidimensional Arrays in C C- 2D and 3D Arrays Initialization of Multidimensional Array in C Pass Array to Functions in C How to pass a 2D array as a parameter in C? What are the data types for which it is not possible to create an array? How to pass an array by value in C ? Strings in C Array of Strings in C What is the difference between single quoted and double quoted declaration of char array? C String Functions C Pointers Pointer Arithmetics in C with Examples C - Pointer to Pointer (Double Pointer) Function Pointer in C How to Declare a Pointer to a Function? Pointer to an Array | Array Pointer Difference between constant pointer, pointers to constant, and constant pointers to constants Pointer vs Array in C Dangling, Void , Null and Wild Pointers in C Near, Far and Huge Pointers in C Restrict Keyword in C Our "Try it Yourself" editor makes it easy to learn C. You can edit code and view the result in your browser: Click on the "Try it Yourself" button to see how it works. We recommend reading this tutorial, in the sequence listed in the left menu. C Exercises Many chapters in this tutorial end with an exercise where you can check your level of knowledge. See all C Exercises Learn by taking a quiz! The quiz will give you a signal of how much you know about C. Start C Quiz Learn by Examples Learn by examples! This tutorial supplements all explanations with clarifying examples. See All C Examples Track Your Progress View your completed tutorials, exercises, and quizzes Keep an eye on your progress and daily streaks Set goals and create learning paths Create your own personal website Sign Up for Free Note: This is an optional feature. You can study at W3Schools without creating an account. C Reference You will also find complete keyword and function references: C Keywords C stdio functions C stdlib functions C string functions C math functions C ctype functions Loading menu barSearchC has been around for quite some time and it is one of the foundational languages of computer science. Most operating systems today, including the Linux Kernel, are implemented with C code. The main version of the Python programming language is named CPython because it is implemented using C. The C programming language is everywhere, learning it will help you become a better programmer ready for the next challenge in any field of computer science!I'm new to C, what should I learn?What job can I get with C?P Share – copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt – remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these freedoms as long as you follow the license terms. Attribution – You must give appropriate credit , provide a link to the license, and indicate if changes were made . You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike – If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions – You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitted by an applicable exception or limitation . No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. C programming is a general-purpose, procedural, imperative computer programming language developed in 1972 by Dennis M. Ritchie at the Bell Telephone Laboratories to develop the UNIX operating system. C is the most widely used computer language. It keeps fluctuating at number one scale of popularity along with Java programming language, which is also equally popular and most widely used among modern software programmers. C programming language is a MUST for students and working professionals to become a great Software Engineer specially when they are working in Software Development Domain. Here are some of the important reasons why you should learn C Programming – It is a structured programming language and you can use the skills learned in C to master other programming languages. You can use C program to write efficient codes and develop robust projects. C is a low-level language and you can use it to interact more directly with the computer's hardware and memory. Facts about C C is the most widely used and popular System Programming Language. Most of the state-of-the-art software have been implemented using C. Here are some facts about the C language: C was invented to write an operating system called UNIX. The UNIX OS was totally written in C. C is a successor of B language which was introduced around the early 1970s. The language was formalized in 1988 by the American National Standard Institute (ANSI). Hello World using C Programming Just to give you a little excitement about C programming, I'm going to give you a small conventional C Programming Hello World program. You can run it here using the "Edit and Run" button. #include int main() { /* my first program in C */ printf("Hello, World! "); return 0; } C Compiler We provided an easy, user-friendly, and fast C online compiler, where you can write, save, run, and share your C programs. Click on this link to open it: C Online Compiler. Applications of C Programming C was initially used for system development work, particularly the programs that make-up the operating system. C was adopted as a system development language because it produces code that runs nearly as fast as the code written in assembly language. Some examples of use of C are – Operating Systems Language Compilers Assemblers Text Editors Print Spoolers Network Drivers Modern Programs Databases Language Interpreters Utilities Audience This tutorial is designed for software programmers with a need to understand the C programming language starting from scratch. This C tutorial will give you enough understanding on C programming language from where you can take yourself to higher level of expertise. Prerequisites Before proceeding with this tutorial, you should have a basic understanding of Computer Programming terminologies. A basic understanding of any of the programming languages will help you in understanding the C programming concepts and move fast on the learning track. FAQs on C Programming There are some very Frequently Asked Questions(FAQ) about C. This section tries to answer them briefly. Is C Programming still relevant today? C programming came into being in 1972. After more than 5 decades, C is still one of the most popular languages that ranks consistently in the top three. Since C can directly interact with the hardware, it is primarily used in low-level applications such as building operating systems, device drivers, embedded systems, networking etc. Therefore, C programming skills are very much in demand, in this age also. Ones career prospects will definitely brighter if he has a good proficiency in C programming. What are the applications of C Programming? C is a general-purpose programming language; therefore, it can be used to develop any type of applications. However, its ability to interact with the hardware makes it more suitable for developing system utilities, compilers and device drivers. C is predominantly used in building embedded systems and networking applications. C is significantly faster as compared to languages like Java or Python because it is directly compiled to the machine code. Hence, it is used in development of gaming applications. C is a versatile programming language that can be useful in development of a variety of software applications. Is C Programming difficult to learn for beginners? C is considered to be one of the easiest programming languages to learn for beginners. You can learn programming in C with the help of many online resources, such as the C tutorial provided by TutorialsPoint cprogramming. C does have a slightly steeper learning curve when you go towards advanced concepts. For attaining a high level of proficiency in C, you need to be able to master the features such as pointers, structures etc. Learning C allows you to build sound foundation with which you can easily learn other programming technologies. What are the advantages of learning C Programming? Here are some of the main advantages of learning C programming: C is a compiled language. It is translated directly into the machine language. Thats why the code execution is faster. This C offers better efficiency as compared to Java, Python. This feature is advantageous in applications like system utilities, embedded systems game development etc. C is a general-purpose language. Hence, it can be used to develop a variety of applications. C code easily portable. C compilers are available on all the operating system platforms. Hence, you can build an executable on relevant OS without many changes to the code. C is called as a middle-level language. It has all the advantages of a high level language, plus it can perform low-level memory manipulations. A good expertise in C lets you to learn other languages very easily. What are the key features of C Programming that make it unique? C programming language has a lot of important features that make it a unique language. Compiled language – Unlike many of the modern languages, C is a compiled language. The compiler builds a machine level code that is directly executed by the processor. Hence, it provides a better performance. Pointer mechanism – C has the ability to directly access the computers memory through its pointer mechanism. This leads to its ability to control the hardware a feature that is useful in developing system utilities and embedded systems. Functions – You can develop an application in a structured and modular manner with the help of functions. The mechanism of calling functions can be easily plugged into one another. Extensible – C has the feature of defining a new data type by combining any of the built-in types. You can thus simulate real-life data structures with C code. Library functions – C software is bundled with a large library of utility functions and macros. There are library functions for IO operations, string handling, mathematical and statistical functions, time related functions etc. What are the differences between C and other programming languages? Every programming language has its own characteristic features and differs with others. Here are some of the key points of difference between C and other languages: C is a compiled language, whereas programming languages like Python, Java and JavaScript are interpreted languages. C is a statically typed language. On the other hand, Python and JavaScript are dynamically typed languages. C is an imperative and procedural language. It doesnt support classes and objects. Modern languages are primarily object-oriented. C doesnt have automatic garbage collection mechanism, which is provided by many other languages like Java and Python. How can learning C Programming benefit my career? A reasonable proficiency in C can be of a lot of advantage for anybody who wants to build a career in software development. C being a general-purpose language, you can use it in different practice projects. C is an open-source language. You can also contribute to open source software development project, that will give you lot of exposure. A C programmer can pursue a successful career in embedded system development and gaming field. C language acts as a gateway to the software development field, as you can diversify into other programming technologies. Our "Try it Yourself" editor makes it easy to learn C. You can edit code and view the result in your browser: Click on the "Try it Yourself" button to see how it works. We recommend reading this tutorial, in the sequence listed in the left menu. C Exercises Many chapters in this tutorial end with an exercise where you can check your level of knowledge. See all C Exercises Learn by taking a quiz! The quiz will give you a signal of how much you know about C. Start C Quiz Learn by Examples Learn by examples! This tutorial supplements all explanations with clarifying examples. See All C Examples Track Your Progress View your completed tutorials, exercises, and quizzes Keep an eye on your progress and daily streaks Set goals and create learning paths Create your own personal website Sign Up for Free Note: This is an optional feature. You can study at W3Schools without creating an account. C Reference You will also find complete keyword and function references: C Keywords C stdio functions C stdlib functions C string functions C math functions C ctype functions C Programming can lead to roles like software developer, system programmer, embedded systems engineer, game developer, and more.

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