**Simple C Programs for Practice**

1. [C Program to Find Area And Circumference of Circle](https://www.programmingwithbasics.com/2023/03/area-and-circumference-of-circle-in-c.html)
2. [Print the ASCII Value of the Character](https://www.programmingwithbasics.com/2015/11/write-c-program-to-print-ascii-value-of.html)
3. [C Program to Find Area of Triangle Given Base And Height](https://www.programmingwithbasics.com/2015/11/write-c-program-to-display-area-of.html)
4. [C Program to Convert a Person's Name in Abbreviated Form](https://www.programmingwithbasics.com/2023/02/convert-persons-name-in-abbreviated.html)
5. [Calculate a Simple Interest](https://www.programmingwithbasics.com/2016/03/c-program-for-calculate-simple-interest.html)
6. [Gross Salary Program in C Programs](https://www.programmingwithbasics.com/2023/03/gross-salary-program-in-c.html)
7. [C Program to Find Percentage of 5 Subjects](https://www.programmingwithbasics.com/2023/01/c-program-percentage-of-five-subjects.html)
8. [Convert Temperature Celsius into Fahrenheit](https://www.programmingwithbasics.com/2016/03/c-program-for-converting-temperature.html)
9. [Write a C Program to Display The Size of Different Data Types](https://www.programmingwithbasics.com/2023/01/c-program-to-size-of-different-data-types.html)
10. [a Check Number Is Positive or Negative](https://www.programmingwithbasics.com/2016/12/c-program-to-check-number-is-positive.html)
11. [Find the Character Is Vowel or Not](https://www.programmingwithbasics.com/2016/12/c-program-to-find-character-is-vowel-or.html)
12. [Calculate the Factorial of a Given Number](https://www.programmingwithbasics.com/2017/01/c-program-to-calculate-factorial-of.html)
13. [C Program to Read Integer and Print First Three Powers (N^1, N^2, N^3)](https://www.programmingwithbasics.com/2017/01/c-program-to-read-integer-n-and-print.html)

**If/Else Statements**

1. [C Program to Check Uppercase or Lowercase or Digit or Special Character](https://www.programmingwithbasics.com/2023/03/program-to-check-uppercase-or-lowercase.html)
2. [Find the Greatest Among Three Numbers](https://www.programmingwithbasics.com/2016/12/c-program-to-find-greatest-among-three.html)
3. [Checking Whether You Are Eligible for Voting or Not](https://www.programmingwithbasics.com/2016/03/c-program-for-checking-you-are-eligible.html)
4. [Program for Finding Greater Between Two Number](https://www.programmingwithbasics.com/2016/03/c-program-for-finding-greater-between.html)
5. [Checking Number Is Even or Odd](https://www.programmingwithbasics.com/2016/03/c-program-for-checking-number-is-even.html)
6. [Leap Year Program in C with Logic, Explanation and Output](https://www.programmingwithbasics.com/2021/06/leap-year-program-in-c.html)
7. [Check Character Is a Vowel or Not Using If-Else](https://www.programmingwithbasics.com/2016/03/c-program-for-check-character-is-vowel.html)
8. [Given Date Month and the Year Is Correct or Not Using If-Else](https://www.programmingwithbasics.com/2016/04/c-program-to-check-given-date-month-and.html)
9. [Largest of Three Numbers in C Using Nested if Else](https://www.programmingwithbasics.com/2023/02/largest-of-three-numbers-in-c.html)

**Loops**

Loops are very very important in programming, In total there are 3 types of loops mostly used in programming languages. Ie. While Loop, Do-While Loop, and everyone's favorites FOR LOOP. Get the C Programs for Practice PDF for all types of loops in the C programming language.

1. [C Program to Reverse a Number Using FOR Loop](https://www.programmingwithbasics.com/2023/02/program-to-reverse-number.html)
2. [Program of Armstrong Number in C Using For Loop & While Loop](https://www.programmingwithbasics.com/2023/03/program-of-armstrong-number-in-c.html)
3. [Calculate the Sum of Natural Numbers Using the While Loop](https://www.programmingwithbasics.com/2016/03/c-program-to-calculate-sum-of-natural.html)
4. [Write a C Program to Print the Multiplication Table of N](https://www.programmingwithbasics.com/2023/02/program-to-print-multiplication-table.html)
5. [Fibonacci Series Program in C Using DO While Loop](https://www.programmingwithbasics.com/2023/02/fibonacci-series-program-in-c.html)
6. [Find the GCD of Two Numbers Using Loop](https://www.programmingwithbasics.com/2016/03/c-program-to-find-gcd-of-two-numbers.html)
7. [Program to Find LCM of Two Numbers in C Using While Loop](https://www.programmingwithbasics.com/2023/03/lcm-of-two-numbers-in-c.html)
8. [C Program to Reverse a Number Using FOR Loop](https://www.programmingwithbasics.com/2023/02/program-to-reverse-number.html)
9. [Palindrome Program in C Using While Loop](https://www.programmingwithbasics.com/2023/02/palindrome-program-in-c.html)
10. [Count the Number of Digits of an Integer Using the While Loop](https://www.programmingwithbasics.com/2016/03/c-program-to-count-number-of-digits-of.html)
11. [Find a Generic Root of a Number Using While Loop](https://www.programmingwithbasics.com/2016/03/c-program-for-find-generic-root-of.html)
12. [C Program to Print The Calendar of a Month of 31 Days](https://www.programmingwithbasics.com/2023/02/c-program-to-print-calendar.html)
13. [C Program To Generate IP Addresses(IPv4 & IPv6) Using For Loop](https://www.programmingwithbasics.com/2016/04/c-program-to-generate-ip-internet.html)
14. [Check Whether a Number Is Divisible by 11 Using (Vedic Maths)](https://www.programmingwithbasics.com/2016/04/c-program-to-check-whether-entered.html)
15. [C Program to Sort an Array in Ascending And Descending Order](https://www.programmingwithbasics.com/2023/02/c-program-to-sort-array.html)
16. [Denomination of an Amount Using While Loop](https://www.programmingwithbasics.com/2016/12/c-program-for-denomination-of-amount.html)

**Switch Case**

1. [C Program to Convert Celsius to Fahrenheit And Vice Versa](https://www.programmingwithbasics.com/2023/02/convert-celsius-to-fahrenheit.html)
2. [C Program to Print Day of Week Name Using Switch Case](https://www.programmingwithbasics.com/2016/03/c-program-to-find-day-using-switch-case.html)
3. [Write a C Program to Make a Simple Calculator Using Switch Case](https://www.programmingwithbasics.com/2023/01/c-program-calculator-using-switch-case.html)
4. [Write a C Program to Find the Grade of a Student Using Switch Case](https://www.programmingwithbasics.com/2016/03/c-program-for-find-grade-of-given-marks.html)
5. [Finding Radius Circumference](https://www.programmingwithbasics.com/2016/03/c-program-for-finding-radius.html)
6. [Remove All Vowels from a String](https://www.programmingwithbasics.com/2016/03/c-program-for-remove-all-vowels-from.html)

**Arrays**

1. [Insert an Element at a Specific Position in an Array in C Program](https://www.programmingwithbasics.com/2023/03/insert-element-at-specific-position.html)
2. [C Program for Remove Duplicates Items](https://www.programmingwithbasics.com/2016/03/c-program-for-remove-duplicates-items.html)
3. [Delete Element from an Array at a Desired or Specific Position](https://www.programmingwithbasics.com/2016/03/c-program-to-delete-element-from-array.html)
4. [Print "I AM IDIOT" Instead of Your Name Using an Array](https://www.programmingwithbasics.com/2016/03/c-program-for-print-i-am-idiot-instead.html)
5. [String Palindrome Program in C With Explanation](https://www.programmingwithbasics.com/2023/02/string-palindrome-program-in-c.html)
6. [Convert All Input String Simultaneously into an Asterisk \*](https://www.programmingwithbasics.com/2016/06/c-program-for-convert-all-input-string.html)

**Strings**

1. [C Program for Remove All Vowels from a String](https://www.programmingwithbasics.com/2016/03/c-program-for-remove-all-vowels-from.html)
2. [C Program to Delete a Substring From a String](https://www.programmingwithbasics.com/2016/03/c-program-to-remove-given-word-from.html)
3. [Convert String to Integer Without Using Library Functions](https://www.programmingwithbasics.com/2016/03/c-program-to-convert-string-to-integer.html)
4. [C Program to Convert Lowercase to Uppercase And Vice Versa](https://www.programmingwithbasics.com/2023/02/lower-case-to-upper-case-in-c.html)
5. [Program for Reverse a String Using Library](https://www.programmingwithbasics.com/2016/03/c-program-for-reverse-string-using.html)
6. [Write a Program to Reverse a String in C](https://www.programmingwithbasics.com/2023/03/program-to-reverse-string-in-c.html)
7. [Compare Two String Using STRCMP Function](https://www.programmingwithbasics.com/2016/03/c-program-for-compare-two-string-using_20.html)
8. [String Palindrome Program in C With Explanation](https://www.programmingwithbasics.com/2023/02/string-palindrome-program-in-c.html)
9. [Find the Number of Vowels, Consonants, Digits and White Space Character](https://www.programmingwithbasics.com/2016/03/c-program-for-find-number-of-vowels.html)

**Functions**

1. [Bubble Sort Using a Function in Ascending and Descending Order](https://www.programmingwithbasics.com/2016/03/c-program-for-bubble-sort-using.html)
2. [Convert Binary Numbers to Decimal or Decimal Numbers to Binary](https://www.programmingwithbasics.com/2016/03/c-program-for-convert-binary-number-to.html)
3. [Convert Octal Numbers to Decimals and Vice Versa](https://www.programmingwithbasics.com/2016/03/c-program-for-convert-octal-number-to.html)
4. [C Program for Convert Binary to Octal and Vice Versa](https://www.programmingwithbasics.com/2016/03/c-program-for-convert-binary-to-octal.html)
5. [Display Prime Numbers Between Intervals](https://www.programmingwithbasics.com/2016/03/c-program-to-display-prime-numbers.html)
6. [C Program to Check Prime or Armstrong Number](https://www.programmingwithbasics.com/2016/03/c-program-to-check-prime-or-armstrong.html)

**Pointers**

1. [C Program for Reverse a String Using Pointer](https://www.programmingwithbasics.com/2016/03/c-program-for-reverse-string-using_20.html)
2. [Write a C Program to Compare Two Strings Using Pointers](https://www.programmingwithbasics.com/2016/03/c-program-for-compare-two-string-using.html)
3. [Open a File(open a Program Itself) Using Pointer](https://www.programmingwithbasics.com/2016/05/c-program-for-open-file-or-open-program.html)

**Patterns**

1. Home Pattern with Help of \*
2. Diamond Star \* Pattern
3. Left Half Diamond Star Pattern
4. Right Half Diamond Star Pattern
5. Hollow Diamond \* Pattern
6. [Pyramid Pattern Using Star \*](https://www.programmingwithbasics.com/2016/03/c-programs-for-print-pyramid-pattern.html)
7. Right Arrow Star Pattern
8. Left Arrow \* Pattern
9. [Pascal Triangle Using a Number](https://www.programmingwithbasics.com/2016/05/c-program-for-print-left-pascal.html)
10. C[hristmas Tree Pattern Using \*](https://www.programmingwithbasics.com/2016/06/c-program-for-draw-perfact-christmas.html)

**Sorting**

1. [BUBBLE Sort in Ascending and Descending Order](https://www.programmingwithbasics.com/2016/03/c-program-for-bubble-sort-in-ascending.html)
2. [SELECTION Sort in Ascending and Descending Order](https://www.programmingwithbasics.com/2016/03/c-program-for-selection-sort-in.html)
3. [INSERTION Sort in Ascending Order](https://www.programmingwithbasics.com/2016/03/c-program-for-insertion-sort-in.html)
4. [QUICK Sort in Ascending Order](https://www.programmingwithbasics.com/2016/03/c-program-for-quick-sort-in-ascending.html)
5. [MERGE Sort in Ascending Order](https://www.programmingwithbasics.com/2016/03/c-program-for-merge-sort-in-ascending.html)
6. [Heap Sort in Ascending Order with Complexity](https://www.programmingwithbasics.com/2016/03/c-program-for-heap-sort-in-ascending.html)

**Searching**

1. [Linear Search Program in C](https://www.programmingwithbasics.com/2016/03/c-program-for-linear-search.html)
2. [Binary Search Program in C](https://www.programmingwithbasics.com/2016/03/c-program-for-binary-search.html)