

# C Programming Coding Questions



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## Coding question in C on Numbers:-

1. Write a program to reverse an integer in C.
2. Write a program in C to check whether an integer is Armstrong number or not.
3. Write a program in C to check given number is Prime or not.
4. Write a program in C to print the Fibonacci series using iteration.
5. Write a program in C to print the Fibonacci series using recursion.
6. Write a program in C to check whether a number is palindrome or not using iteration.
7. Write a program in C to check whether a number is palindrome or not using recursion.
8. Write a program in C to find greatest among three integers.
9. Write a program in C to check if a number is binary.
10. Write a program in C to find sum of digits of a number using recursion.
11. Write a program in C to swap two numbers without using third variable.
12. Write a program in C to swap two numbers using third variable.
13. Write a program in C to find prime factors of a given integer.
14. Write a program in C to add two integers without using arithmetic + operator.
15. Write a program in C to check given number is perfect or not.
16. C Program to find the Average of numbers with explanations.
17. C Program to calculate factorial using iterative method.
18. C Program to calculate factorial using recursion.
19. C Program to check a given number is even or odd.
20. C program to print first n Prime Number with explanation.
21. C Program to print Prime Number in a given range
22. C Program to find smallest number among three.
23. C program to calculate the power using the POW method.
24. C Program to calculate the power without using POW function.
25. C Program to calculate the square of a given number.
26. C Program to calculate the cube of a given number
27. C Program to calculate the square root of a given number.
28. C program to calculate LCM of given two numbers.
29. C Program to find GCD or HCF of two numbers.
30. C Program to find GCD of two numbers using recursion.
31. C Program to Convert Decimal Number into Binary.
32. C Program to convert Decimal number to Octal number.
33. C Program to check the given year is a leap year or not.
34. C Program to convert Celsius to Fahrenheit.
35. C Program to convert Fahrenheit to Celsius.
36. C program to calculate Simple Interest with explanation.

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## C coding interview questions on String:-

1. Write a method in C which will remove any given character from a String.
2. Write a program in C to count occurrence of a given character in a String.
3. Write a program in C to check if two Strings are Anagram.
4. Write a program in C to check a String is palindrome or not.
5. C program to check given character is vowel or consonant.
6. C program to check given character is digit or not.
7. C program to replace the string space with a given character.
8. C program to convert lowercase char to uppercase of string.
9. C program to convert lowercase vowel to uppercase in string.
10. C program to delete vowels in a given string.
11. C program to count Occurrence of Vowels & Consonants in a String.
12. C program to print the highest frequency character in a String.
13. C program to Replace First Occurrence Of Vowel With '-' in String.
14. C program to count alphabets, digits and special characters.
15. C program to separate characters in a given string.
16. C program to remove blank space from string.
17. C program to remove blank space from string.
18. C program to concatenate two strings.
19. C program to remove repeated character from string.
20. C program to calculate sum of integers in string.
21. C program to print all non repeating character in string.
22. C program to copy one string to another string.
23. C Program to sort characters of string.
24. C Program to sort character of string in descending order.

## Coding Questions in C on Array:-

1. Write a program in C for, in array 1-100 numbers are stored, one number is missing how you find it.
2. Write a program in C for, in an array 1-100 multiple numbers are duplicates, how do you find it.
3. Write a program in C to find first duplicate number in a given array.
4. Write a program in C to remove duplicate elements form array in C.
5. Write a program in C for, Given two arrays 1,2,3,4,5 and 2,3,1,0,5 find which number is not present in the second array.

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6. Write a program in C for, How to compare two arrays is equal in size or not.
7. Write a program in C to find largest and smallest number in array.
8. Write a program in C to find second highest number in an integer array.
9. Write a program in C to find top two maximum numbers in array?
10. C program to print array in reverse Order.
11. C program to reverse an Array in two ways.
12. C Program to calculate length of an array.
13. C program to insert an element at end of an Array.
14. C program to insert element at a given location in Array.
15. C Program to delete element at end of Array.
16. C Program to delete given element from Array.
17. C Program to delete element from array at given index.
18. C Program to find sum of array elements.
19. C Program to print all even numbers in array.
20. C Program to print all odd numbers in array.
21. C program to perform left rotation of array elements by two positions.
22. C program to perform right rotation in array by 2 positions..
23. C Program to merge two arrays.
24. C Program to find highest frequency element in array.
25. C Program to add two number using recursion.
26. C Program to find sum of digit of number using recursion.

## C coding interview questions on Linked List:-

1. Write a program in C to reverse a singly linked list.
2. Write a program in C to find 3rd element of Linked List from last in single pass.
3. Write a program in C to find middle element of a linked list in single pass.

## C Interview Questions on Searching and Sorting:-

1. Write a program in C to implement Insertion Sort.
2. Write a program in C to implement Bubble Sort.