

## Coding question in C on Numbers

- Q1). Write a program to reverse an integer in C.
  - Q2). Write a program in C to check whether an integer is Armstrong number or not.
  - Q3). Write a program in C to check given number is prime or not.
  - Q4). Write a program in C to print the Fibonacci series using iteration.
  - Q5). Write a program in C to print the Fibonacci series using recursion.
  - Q6). Write a program in C to check whether a number is palindrome or not using iteration.
  - Q7). Write a program in C to check whether a number is palindrome or not using recursion.
  - Q8). Write a program in C to find greatest among three integers.
  - Q9). Write a program in C to check if a number is binary.
  - Q10). Write a program in C to find sum of digits of a number using recursion.
  - Q11). Write a program in C to swap two numbers without using third variable.
  - Q12). Write a program in C to swap two numbers using third variable.
  - Q13). Write a program in C to find prime factors of a given integer.
  - Q14). Write a program in C to add two integer without using arithmetic + operator.
  - Q15). Write a program in C to check given number is perfect or not.
  - Q16). C Program to find the Average of numbers with explanations.
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- Q17). C Program to calculate factorial using iterative method.
  - Q18). C Program to calculate factorial using recursion.
  - Q19). C Program to check a given number is even or odd.
  - Q20). C program to print first n Prime Number with explanation.
  - Q21). C Program to print Prime Number in a given range
  - Q22). C Program to find Smallest number among three.
  - Q23). C program to calculate the power using the POW method.
  - Q24). C Program to calculate the power without using POW function.
  - Q25). C Program to calculate the square of a given number.
  - Q26). C Program to calculate the cube of a given number
  - Q27). C Program to calculate the square root of a given number.

- Q28). C program to calculate LCM of given two numbers.
- Q29). C Program to find GCD or HCF of two numbers.
- Q30). C Program to find GCD of two numbers using recursion.
- Q31). C Program to Convert Decimal Number into Binary.
- Q32). C Program to convert Decimal number to Octal number.
- Q33). C Program to check the given year is a leap year or not.
- Q34). C Program to convert Celsius to Fahrenheit.
- Q35). C Program to convert Fahrenheit to Celsius.
- Q36). C program to calculate Simple Interest with explanation.

#### C coding interview questions on String

- Q1). Write a method in C which will remove any given character from a String.
- Q2). Write a program in C to count occurrence of a given character in a String.
- Q3). Write a program in C to check if two Strings are Anagram.
- Q4). Write a program in C to check a String is palindrome or not.
- Q5). C program to check given character is vowel or consonant.
- Q6). C program to check given character is digit or not.
- Q7). C program to replace the string space with a given character.
- Q8). C program to convert lowercase char to uppercase of string.
- Q9). C program to convert lowercase vowel to uppercase in string.
- Q10). C program to delete vowels in a given string.
- Q11). C program to count Occurrence Of Vowels & Consonants in a String.
- Q12). C program to print the highest frequency character in a String.
- Q13). C program to Replace First Occurrence Of Vowel With ‘-‘ in String.
- Q14). C program to count alphabets, digits and special characters.
- Q15). C program to separate characters in a given string.
- Q16). C program to remove blank space from string.
- Q17). C program to remove blank space from string.
- Q18). C program to concatenate two strings.
- Q19). C program to remove repeated character from string.

- Q20). C program to calculate sum of integers in string.
- Q21). C program to print all non repeating character in string.
- Q22). C program to copy one string to another string.
- Q23). C Program to sort characters of string.
- Q24). C Program to sort character of string in descending order.

### Coding Questions in C on Array

- Q1). Write a program in C for, In array 1-100 numbers are stored, one number is missing how do you find it.
- Q2). Write a program in C for, In a array 1-100 multiple numbers are duplicates, how do you find it.
- Q3). Write a program in C to find first duplicate number in a given array.
- Q4). Write a program in C to remove duplicate elements form array in C.
- Q5). 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.
- Q6). Write a program in C for, How to compare two array is equal in size or not.
- Q7). Write a program in C to find largest and smallest number in array.
- Q8). Write a program in C to find second highest number in an integer array.
- Q9). Write a program in C to find top two maximum number 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

- Q1). Write a program in C to reverse a singly linked list.
- Q2). Write a program in C to find 3rd element of Linked List from last in single pass.
- Q3). Write a program in C to find middle element of a linked list in single pass.

#### C Interview Questions on Searching and Sorting

- Q1). Write a program in C to implement Insertion Sort.
- Q2). Write a program in C to implement Bubble Sort.