

## Numbers c,c++,java,and python programming Problem and Solutions

1. Write a program to the sum of n natural numbers.
2. Write a program to count the number of digits in an integer.
3. Write a program to sum of all digits of a number.
4. Write a program to reverse of a given number.
5. Write a program to check the given number is a palindrome or not.
6. Write a program to find out all palindrome numbers present within a given range.
7. Write a program to calculate G.C.D or HCF of two numbers.
8. Write a program to calculate the LCM of two numbers.
9. Write a program to find the factorial of a number.
10. Write a Program to calculate prime Factors of number.
11. Write a program to check whether a given number is prime or not.
12. Write a program to check whether a given number is a perfect square number or not.
13. Write a program to check whether a given number is an Armstrong number or not.
14. Write a program to check whether a given number is a strong number or not.
15. Write a program to check whether a given number is a perfect number or not.
16. Write a program to check whether a given number is a Harshad number or not.

17. Write a program to check whether a given number is an Abundant number or not.
18. Write a program to check whether a given number is Friendly pair or not.
19. Write a program to check whether a given number is an Automorphic number or not.
20. Write a program to find out all primes numbers present within a given range.
21. Write a program to find out all perfect square numbers present within a given range.
22. Write a program to find out all Armstrong numbers present within a given range.
23. Write a program to find out all Strong numbers present within a given range.
24. Write a program to find out all Perfect numbers present within a given range.
25. Write a program to find out all Harshad numbers present within a given range.
26. Write a program to find out all Abundant numbers present within a given range.
27. Write a program to find out all Automorphic numbers present within a given range.
28. Write a program to Calculate Reverse a number using Recursion.
29. Write a program to find the Generic root of a number.
30. Write a program to find out how many 1 and 0 in a given number.
31. Write a program to add between 2 numbers without using arithmetic operators.
32. Write a program to find the largest digit in a number.

33. Write a program to find the smallest digit in a number.
34. Write a program to calculate Amicable pairs.
35. Write a program to find 2nd largest digit in a given number.
36. Write a program to find 2nd smallest digit in a given number.
37. Write a program to find the number of odd and even digits in the given number.
38. Write a program to find the nth prime number.
39. Write a program to find the nth perfect number.
40. Write a program to find the nth strong number.
41. Write a program to find the nth Hashed number.