

# C Test

1. WAP to print Fibonacci series of n terms.
2. Find an element index from an array given by the user (Linear Search).
3. Take 10-character input from user and count the number of special characters, numeric, capital and small Alphabets from an array.
4. Find min and max from an array.
5. WAP to find the list of Armstrong numbers for a given range of number.
6. WAP to check whether a number is a Strong Number or not.  
(Hint: let num=145 if  $1! + 4! + 5! = 145$  then it is strong no.).
7. Make a fibonacci series from the sum of odd numbers and even numbers in a digit and the number of term = digit length

let num=321578 OddSum=16 evenSum=10 digitLen=6

16 10 26 36 62 98 Ans.

8. WAP to calculate and print the Electricity bill of a given customer. The customer id, and unit consumed by the user should be taken from the keyboard and display the total amount to pay to the customer. The charge are as follow :

Unit Charge/unit

upto 199 @1.20

200 and above but less than 400 @1.50

400 and above but less than 600 @1.80

600 and above @2.00

If bill exceeds Rs. 400 then a surcharge of 15% will be charged and the minimum bill should be of Rs. 100/-

9. WAP that displays first 10 odd numbers.
10. WAP to read a year as an input and find whether it is leap year or not
11. WAP to reverse of an integer number NUM and check whether it is PALINDROME or NOT.
12. Explain the use of break and continue statement in loops with example.
13. What is an array? Explain the declaration and initialization of one dimensional array with example.