

## C Test (Mid term )

1. WAP to find large among n numbers from array.
2. WAP to print Fibonacci series of n terms.
3. WAP to find factorial of a number using recursion.
4. Find an element index from an array given by the user(Linear Search).
5. Take 10-character input from user and count the number of special characters, numeric, capital and small Alphabets from an array.
6. Find min and max from an array.
7. Take a 3 or more-digit number from user and check whether it is Armstrong or not.
8. Write a program to find the list of Armstrong numbers for a given range of number.
9. Write a C program 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.).
10. 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.
11. Write a program in C 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/-