

## ***Recursive Function***

1.

WAP in C using Recursive function to sum of even digits of given any int number .

i/p: n= 2345    o/p: sum= 6

**int rec\_fun\_sum( int num );**

2.

WAP in C using Recursive function to count digit less than 6 of given any int number .

i/p: n= 2658942    o/p: count= 4

**int rec\_fun\_count( int num );**

3.

WAP in C using Recursive function to product of digit factor of 3 given any int number .

i/p: n= 345638    o/p: product= 54

**int rec\_fun\_product( int num );**

4.

WAP in C using Recursive function to sum of last 3 digits of given any int number .

i/p: n= 23456    o/p: sum= 15

**int rec\_fun\_sum( int num , int c );**

5.

WAP in C using Recursive function to reverse the number of given any int number .

i/p: n= 23456    o/p: rev = 65432

**int rec\_fun\_rev( int );**

6.

WAP in C using Recursive function to check given num is perfect or not .

i/p: n= 6    o/p: yes perfect

**int rec\_fun\_perfect( int );**

7.

WAP in C using Recursive function to count set bit in given num. // pass address of variable

i/p: n= 63    o/p: count: 6

**int rec\_fun\_count( int \* );**

8.

WAP in C using Recursive function to check given num is prime or not .

i/p: n= 17    o/p: yes prime

**int rec\_fun\_prime ( int ,int );**

9.

WAP in C using Recursive function to count array element less than 99 more than 39.

i/p: int a[6]={71,53,145,21,49,153};

o/p: count = 3

**int rec\_fun\_count\_arr( int \*p, int ele );**

10.

WAP in C using Recursive function to sum of half of array element.

i/p: int a[6]={10,20,30,44,55,66};

o/p: sum = 60

**int rec\_fun\_sum\_arr( int \*p, int ele );**

11.

WAP in C using Recursive function to reverse array elements and print array in main .

i/p: int a[6]={11,22,33,44,55,66};

o/p: a[6]={66,55,44,33,22,11};

**void rec\_fun\_rev\_arr( int \*p, int \*q );**

12.

WAP in C using Recursive fun to reverse string .

i/p: char s[20]="123 abc 789";

o/p: 987 cba 321

**void rec\_fun\_rev\_string( char \*p, char \*q );**

13.

WAP in C using Recursive function to count char in given any string .

i/p: char s[20]="123 aacc tata "; , ch= 'a'

o/p: count = 4

**int rec\_fun\_count\_string( char \*p, char ch );**

14.

WAP in C using Recursive fun to reverse bits .

i/p : n= 31

00000000 00000000 00000000 00011111

o/p: // print binary in main function

11111000 00000000 00000000 00000000

**int rec\_fun\_rev\_bit ( int );**

**void rec\_fun\_binary ( int );**

15.        copy a string

**void my\_strncpy( char \*p, char \*q, int n );**

16.        compare two strings

**int my\_strncmp( char \*p, char \*q, int n );**

17.        locate character in string

**char\* my\_strchr ( char \*p, char ch );**

if you found any mistake or doubts send mail to [pawan.ky@vectorindia.org](mailto:pawan.ky@vectorindia.org)