22 July

**C Program to display Fibonacci series using recursion.**

#include<stdio.h>

int fibonacci\_series(int);

int main()

{

int count, c = 0, i;

printf("Enter number of terms:");

scanf("%d",&count);

printf("\nFibonacci series:\n");

for ( i = 1 ; i <= count ; i++ )

{

printf("%d\n", fibonacci\_series(c));

c++;

}

return 0;

}

int fibonacci\_series(int num)

{

if ( num == 0 )

return 0;

else if ( num == 1 )

return 1;

else

return ( fibonacci\_series(num-1) + fibonacci\_series(num-2) );

}

**Output:**

Enter number of terms: 6

Fibonacci series:

0

1

1

2

3

5