6 August

# C Program to Find the Sum of Natural Numbers using Recursion.

#include <stdio.h>

int addNumbers(int n);

int main() {

int num;

printf("Enter a positive integer: ");

scanf("%d", &num);

printf("Sum = %d", addNumbers(num));

return 0;

}

int addNumbers(int n) {

if (n != 0)

return n + addNumbers(n - 1);

else

return n;

}

**Output :**

Enter a positive integer: 20

Sum = 210