

```
#include <stdio.h>
int add(int);    // Function declaration
int main(){
    int sum;
    int num;
    printf("Enter a number ");
    scanf("%d\n", &num);
    sum = add(num);    // Function call
    printf("The sum of the given natural number is %d", sum); //Executed after completion of recursive function
    return 0;
}

int add(int num){    // Function definition
    if(num<=0){
        return 0;
    }
    else{
        return(num + sum(num-1));    // Recursive function
    }
}
```