TITLE 22

Find sum of natural numbers using functions

OBJECTIVE:

Implementation of functions

PROBLEM STATEMENT:

To find the sum of numbers using functions.

ALGORITHM:

START

Define variables: n, i,sum,c

INPUT: Read input from the users

COMPUTATION: Compute the sum of natural numbers

DISPLAY: Print the sum of natural numbers

STOP

PROGRAM:

#include <stdio.h>

int sum\_natural(int n){

int i,sum=0;

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

sum += i;

return sum;

}

int main(int argc, char const \*argv[]){

int n;

printf("Enter n:\n");

scanf("%d",&n);

printf("Sum is :",n,sum\_natural(n));

return 0;

}

CONCLUSION:

We use functions to organize the code in a better way. This also helps in implementation of functions in mathematical approach.

OUTPUT:

Enter n:10

Sum is :55