

Department of Computer Science and Engineering

**Course Code :** CSE- 110

**Course Title :** Introduction to Computer System.

**Report :** 04

**Experiment Name :** Sum and average of floating and ceiling type’s number.

**Performance Date :** 3th April 2013

**Submission Date :** 5th April 2013.

**REMARKS**

**NAME : MD.JAHID**

**ID :** **12-023-1-02-00419**

**DEPT :** **CSE**

**YEAR :** **2013**

**SEM. :** **1st**

**Objective:** Program to Sum and average of floating and ceiling type’s number.

**Source Code:**

#include<stdio.h>

#include<math.h>

main()

{

int n,count=0,count1=0,count2=0;

int countless=0,countgreat=0;

float avgfloar=0.0,avgceiil=0.0;

float x[10],sumfloar=0.0,sumceiil=0.0;

float sum=0.0,avg=0.0;

printf("Number:");

scanf("%d", &n);

while (count<n)

{

printf("number= ");

scanf("%f", &x[count]);

sum+=x[count];

count++;

}

avg=sum/count;

printf("avg=%f\n",avg);

while (count1<n)

{

if(x[count1] <= avg)

{

x[count1] =floor (x[count1]);

sumfloar=sumfloar + x[count1];

countless++;

}

count1++;

}

while (count2<n)

{

if(x[count2] <= avg)

{

x[count2] =floor (x[count2]);

sumfloar=sumfloar + x[count2];

countgreat++;

}

count2++;

}

avgfloar=sumfloar/(float) countless;

printf("sumfloor=%f\t",sumfloar);

printf("Averagefloor=%f\t",avgfloar);

avgceiil=sumceiil/(float) countgreat;

printf("sumceiil=%f\t",sumceiil);

printf("Averageceiil=%f\t",avgceiil);

}

**Sample input:**

Number:3

number= 12.89

number= 20.78

number= 31.90

**Sample Output:**

avg=21.856667

sumfloor=64.000000 Averagefloor=32.000000 sumceiil=0.000000 Averagec

eiil=0.000000

Process returned 22 (0x16) execution time : 22.361 s

Press any key to continue.

**Discussion:** In this program we have taken the while condition. There was no problem compiling this program. Just we can’t sumceil and averageceil.