Bismillahhir Rahmanir Rahim

আন্তর্জাতিক ইসলামী বিশ্ববিদ্যালয় চট্টগ্রাম

International Islamic University Chittagong

Assignment

Course Title-Computer Programming 1 lab

Course Code: CSE- 1121

Submited to-

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Submitted by-

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1. URI 1060, 1064, 1065, 1066, 1067, 1070, 1071, 1072

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PROBLEM:	1060 - Positive Numbers
ANSWER:	**Accepted**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	602 Bytes
SUBMISSION:	4/28/20, 2:35:23 PM

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SOURCE CODE

```
1  #include<stdio.h>
2  int main()
3  {
4      double a, b, c, d, e, f;
5      scanf("%lf%lf%lf%lf%lf%lf", &a,&b,&c,&d,&e,&f);
6
7      if (a>0)
8      {
9          a = 1;
10     }
11     else a = 0;
12     if (b>0)
13     {
14         b = 1;
15     }
16     else b = 0;
17     if (c>0)
18     {
19         c = 1;
20     }
21     else c = 0;
22     if (d>0)
23     {
24         d = 1;
25     }
26     else d = 0;
27     if (e>0)
28     {
29         e = 1;
30     }
31     else e = 0;
32     if (f>0)
33     {
34         f = 1;
35     }
36     else f = 0;
37
38     int x = a+b+c+d+e+f;
39     printf("%d valores positivos\n", x);
40     return 0;
41 }
42
```

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ONLINE JUDGE
PROBLEMS & CONTESTS

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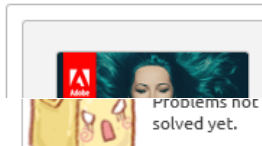What others are solving.

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FAQS
Need help using

SUBMISSION # 18008094

PROBLEM:	1064 - Positives and Average
ANSWER:	**Accepted**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	816 Bytes
SUBMISSION:	4/29/20, 6:01:28 AM

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SOURCE CODE

```c
#include<stdio.h>
int main()
{
    double a, b, c, d, e, f, s, sum;
    scanf("%lf%lf%lf%lf%lf%lf", &a,&b,&c,&d,&e,&f);
    int m, n, o, p, q, r;
    sum = 0.0;

    if (a>0)
    {
        m = 1;
        sum += a;
    }
    else m = 0;
    if (b>0)
    {
        n = 1;
        sum += b;
    }
    else n = 0;
    if (c>0)
    {
        o = 1;
        sum += c;
    }
    else o = 0;
    if (d>0)
    {
        p = 1;
        sum += d;
    }
    else p = 0;
    if (e>0)
    {
        q = 1;
        sum += e;
    }
    else q = 0;
    if (f>0)
    {
        r = 1;
        sum += f;
    }
    else r = 0;

    int x = m+n+o+p+q+r;
    printf("%d valores positivos\n", x);

    s = sum/x;
    printf("%.1lf\n", s);
    return 0;
}
```

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SUBMISSION # 18011822

PROBLEM:	1065 - Even Between five Numbers
ANSWER:	**Accepted**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	538 Bytes
SUBMISSION:	4/29/20, 1:13:01 PM

SOURCE CODE

```c
#include<stdio.h>

int main()
{
    int a, b, c, d, e;
    scanf("%d%d%d%d%d", &a, &b, &c, &d, &e);
    int f, g, h, i, j;
    if(a % 2 == 0)
    {
        f= 1;
    }
    else f= 0;
    if(b % 2 == 0)
    {
        g= 1;
    }
    else g= 0;
    if(c % 2 == 0)
    {
        h= 1;
    }
    else h= 0;
    if(d % 2 == 0)
    {
        i= 1;
    }
    else i= 0;
    if(e % 2 == 0)
    {
        j= 1;
    }
    else j= 0;

    int x= f+g+h+i+j;
    printf("%d valores pares\n", x);
    return 0;
}
```

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PROBLEMS & CONTESTS

VISUALIZE THE SOURCE CODE OF YOUR SUBMISSION, PLUS SOME EXTRA DETAILS.

SUBMISSION # 18011740

PROBLEM:	1066 - Even, Odd, Positive and Negative
ANSWER:	**Accepted**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	637 Bytes
SUBMISSION:	4/29/20, 1:05:56 PM

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SOURCE CODE

```c
#include<stdio.h>
int main()
{
    int i= 0, n;
    int N=0, M=0, O=0, P=0;

    while(i<5)
    {
        scanf("%d", &n);
        i++;
        if(n>0)
        {
            O++;
        }
        else {
                if(n != 0){
                        P++;
                    }
            }
        if(n % 2 == 0)
        {
            N++;
        }
        else {  M++;  }
    }
    printf("%d valor(es) par(es)\n", N);
    printf("%d valor(es) impar(es)\n", M);
    printf("%d valor(es) positivo(s)\n", O);
    printf("%d valor(es) negativo(s)\n", P);

    return 0;
}
```

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URI ONLINE JUDGE
PROBLEMS & CONTESTS

VISUALIZE THE SOURCE CODE OF YOUR SUBMISSION, PLUS SOME EXTRA DETAILS.

SUBMISSION # 18011695

PROBLEM:	1067 - Odd Numbers
ANSWER:	**Accepted**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	179 Bytes
SUBMISSION:	4/29/20, 1:02:00 PM

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SOURCE CODE

```c
#include<stdio.h>

int main()
{
    int n, x= 1;
    scanf("%d", &n);

    while(x <= n)
    {
        printf("%d\n", x);
        x = x + 2;
    }
    return 0;
}
```

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Execution process of loop for above Code(URI 1067:)

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VISUALIZE THE SOURCE CODE OF YOUR SUBMISSION, PLUS SOME EXTRA DETAILS.

SUBMISSION # 18011900

PROBLEM:	1070 - Six Odd Numbers
ANSWER:	**Accepted**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	209 Bytes
SUBMISSION:	4/29/20, 1:20:05 PM

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Problems not solved yet.

SOURCE CODE

```
1    #include<stdio.h>
2
3    int main()
4  ▾ {
5        int n, x= 1;
6        scanf("%d", &n);
7        x = n ;
8        while(x <= n+10)
9  ▾    {
10           x = x + 1;
11           printf("%d\n", x);
12           x = x + 1;
13       }
14       return 0;
15   }
```

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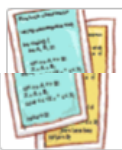
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List all your submissions.

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Problems not solved yet.

FAQS
Need help using the tool?

SOURCE CODE
VISUALIZE THE SOURCE CODE OF YOUR SUBMISSION, PLUS SOME EXTRA DETAILS.

SUBMISSION # 18020277

PROBLEM:	1071 - Sum of Consecutive Odd Numbers I
ANSWER:	**Accepted**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	413 Bytes
SUBMISSION:	4/30/20, 5:52:25 AM

DROPBOX

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SOURCE CODE

```c
#include<stdio.h>

int main()
{
    int m, n, w, x= 0;
    scanf("%d%d", &m, &n);

    if(m>n)
    {
        w= m;
        m= n;
        n= w;
    }
    int y = m+1;
    while(y < n)
    {
        if(y%2 == 1 || y%2 == -1)
        {
            x += y;
        }
        else {
            x += 0;
        }
        y++;
    }
    printf("%d\n", x);
    return 0;
}
```

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PROBLEMS & CONTESTS

SUBMISSION # 18020214   DROPBOX

PROBLEM:	1072 - Interval 2
ANSWER:	Accepted
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	355 Bytes
SUBMISSION:	4/30/20, 5:36:14 AM

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LIVE
What others are solving.

LIST
List all your submissions.

TRIED
Problems not solved yet.

SOURCE CODE

```c
#include<stdio.h>

int main()
{
    int n, a, i= 1, su= 0, sum= 0;
    scanf("%d", &n);

    while(i <= n)
    {
        scanf("%d", &a);
        if(a >= 10 && a <= 20)
        {
            sum += 1;
        }
        else {su += 1;}
        i++;
    }
    printf("%d in\n", sum);
    printf("%d out\n", su);
    return 0;
}
```

Execution process of loop for above Code(URI 1067:)

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2. Given an integer **N** followed by **N** positive integers. Print their **sum** and **average**. Print two places after the decimal point of average.

Sample Input	Sample output
5 1 2 3 4 5	SUM 15 AVERAGE 3.00
4 4 3 5 8	SUM 20 AVERAGE 5.00

Code for the above question :

Coding C
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RUN   MENU

```c
#include<stdio.h>

int main()
{
    int n, a, i= 1, sum= 0;
    scanf("%d", &n);

    while(i <= n)
    {
        scanf("%d", &a);
        sum += a;
        i++;
    }
    printf("SUM %d\n", sum);
    printf("AVERAGE %.2lf\n", (double)sum/n);
    return 0;
}
```

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```
Compile Result

5
1 2 3 4 5
SUM 15
AVERAGE 3.00

[Process completed - press Enter]
```

```
Compile Result

4
4 3 5 8
SUM 20
AVERAGE 5.00

[Process completed - press Enter]
```

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