আন্তর্জাতিক ইসলামী বিশ্ববিদ্যালয় চট্টগ্রাম

International Islamic University Chittagong

-02

Assignment

Course Title-Computer Programming 1 lab

Coure Code: CSE- 1121

Submited to-

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Submitted by-

MD. SOROWAR MAHABUB RABBY

Matric ID: C201032, Section: A

Department of CSE (Computer Science and Engineering)

01.URI ONLINE JUDGE Problem :

All Submissions :

URI ONLINE JUDGE Problem 1035:
Accepted one:

Submitted by-

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SOURCE CODE

```
1   #include <stdio.h>
2   #include <math.h>
3   int main()
4   {
5       //Author is Sorowar Mahabub
6       //Studies B. Sc in CSE
7       //Int' Islamic University Chittagong (IIUC)
8       //Cell: 01834-756433
9       //Email: sorowarmahabub1709vip@gmail.com
10
11      int A, B, C, D;
12      scanf("%d%d%d%d", &A,&B, &C, &D);
13
14      if((B>C) && (D>A) &&
15          ((C+D)>(A+B)) && ((C>=0)
16              && (D>=0)) && (A%2 == 0))
17      {
18
19      printf("Valores aceitos\n");
20
21      }
22      else
23      |
24          printf("Valores nao aceitos\n");
25       return 0;
26  }
27
```

Wrong One of three:

ANSWER:	**Wrong answer (5%)**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	550 Bytes
SUBMISSION:	4/15/20, 10:03:30 AM

Save to Dropbox

SOURCE CODE

```
1   #include <stdio.h>
2   #include <math.h>
3   int main()
4   {
5       //Author is Sorowar Mahabub
6       //Studies B. Sc in CSE
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14      if((B>C) && (D>A) &&
15          ((C+D)>(A+B)) && ((C>=0)
16              && (D>=0)) && (A%2 == 0))
17      {
18
19      printf("Valores aceitos\n");
20
21      }
22      else
23
24          printf("Valores nao aceitosn\n");
25       return 0;
26  }
```

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Compilation error one:

SOURCE CODE

```c
1   #inc#include <stdio.h>
2   #include <math.h>
3   int main()
4   {
5       //Author is Sorowar Mahabub
6       //Studies B. Sc in CSE
7       //Int' Islamic University Chittagong (IIUC)
8       //Cell: 01834-756433
9       //Email: sorowarmahabub1709vip@gmail.com
10
11      int A, B, C, D;
12      scanf("%d%d%d%d", &A,&B, &C, &D);
13
14      if((B>C) && (D>A) &&
15          ((C+D)>(A+B)) && ((C>=0)
16              && (D>=0)) && (A%2 == 0))
17      {
18
19          printf("Valores aceitos\n");
20
21      }
22      else
23
24          printf("Valores nao aceitos\n");
25      return 0;
26  }
27
```

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2. You will be given an integer. You have to tell whether it is even or Odd.

Sample Input	Sample Output
156	Even
0	Even
33	Odd

Answer:

```c
#include <stdio.h>
#include <math.h>
int main()
{
    //Author is Sorowar Mahabub
    //Studies B. Sc in CSE
    //Int' Islamic University Chittagong (IIUC)
    //Cell: 01834-756433
    //Email: sorowarmahabub1709vip@gmail.com

    int y;
    scanf("%d", &y);

    if(y % 2 == 0)
    {
        printf("Even\n");
    }
        else
            printf("Odd\n");

    return 0;
}
```

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Compile Result

```
156
Even

[Process completed - press Enter]
```

Compile Result

```
0
Even

[Process completed - press Enter]
```

Compile Result

```
33
Odd

[Process completed - press Enter]
```

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3. You will be given three integers L, R and A. You have to tell if A lies between L and R or not i.e. **L <= A <= R**. If A is between L and R print **Inside**. Otherwise print **Outside**.

Sample Input	Sample Output
1 5 2	Inside
1 5 7	Outside
2 5 1	Outside
4 10 10	Inside

In the first case A = 2 which is between L = 1 and R = 5.
In the second case A = 7 which is outside of the range 1 to 5.
In the third case A = 1 which is outside of the range 1 to 5.
In the fourth case A = 10 which is outside of the range 1 to 5.

Answer:

Coding C

RUN   MENU

Auto saved at 21:17:30

```
1
2
3 #include <stdio.h>
4 #include <math.h>
5 int main()
6 {
7     //Author is Sorowar Mahabub
8     //Studies B. Sc in CSE
9     //Int' Islamic University Chittagong (IIUC)
10    //Cell: 01834-756433
11    //Email: sorowarmahabub1709vip@gmail.com
12
13    int L, R, A;
14    scanf("%d%d%d", &L, &R, &A);
15
16    if((L <= A) && (A <= R))
17    {
18        printf("Inside\n");
19    }
20        else printf("Outside\n");
21
22    return 0;
23 }
```

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Compile Result

```
1 5 2
Inside

[Process completed - press Enter]
```

Compile Result

```
1 10 10
Inside

[Process completed - press Enter]
```

Compile Result

```
2 5 1
Outside

[Process completed - press Enter]
```

Compile Result

```
1 5 7
Outside

[Process completed - press Enter]
```

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4. You will be given an integer Y which represents a year. You have to tell whether it is leap year or not.

Sample Input	Sample Output
1992	Leap Year
1999	Not Leap Year
2020	Leap Year

Answer:

Coding C

RUN   MENU

Auto saved at 21:20:31

```c
#include <stdio.h>
#include <math.h>
int main()
{
    //Author is Sorowar Mahabub
    //Studies B. Sc in CSE
    //Int' Islamic University Chittagong (IIUC)
    //Cell: 01834-756433
    //Email: sorowarmahabub1709vip@gmail.com

    int y;
    scanf("%d", &y);

    if((y % 400 == 0)
        ||(y % 100 != 0 && y % 4 == 0))
    {
        printf("Leap Year\n");
    }
        else
            printf("Not Leap Year\n");

    return 0;
}
```

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Compile Result

```
2000
Leap Year
[Process completed - press Enter]
```

Compile Result

```
1999
Not Leap Year
[Process completed - press Enter]
```

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