



আন্তর্জাতিক ইসলামী বিশ্ববিদ্যালয় চট্টগ্রাম  
الجامعة الإسلامية العالمية شيتاغونغ  
International Islamic University Chittagong

# Assignment

Assignment no- 05

Submission date- 13.04.2020

Course Title-Computer Programming 1 lab

Course Code: CSE- 1121

Submitted to-

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Submitted by-

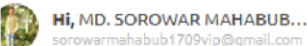
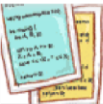

**MD. SOROWAR MAHABUB RABBY**

Matric ID: C201032, Section: A



Department of CSE (Computer Science and Engineering)

## 01.URI ONLINE JUDGE Problem (1017 to 1020):

>All submission's of mentioned problems in [URI ONLINE JUDGE](#) :

|  |  |          |         |                     |                   |          |       |                     |             |       |          |
|--|--|----------|---------|---------------------|-------------------|----------|-------|---------------------|-------------|-------|----------|
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|  <b>LIST</b><br>List all your submissions. |  | 17801906 | 1019    | Time Conversion     | Accepted          | C++17    | 0.000 | 4/13/20, 2:16:01 AM |             |       |          |
|  |  | 17801904 | 1020    | Age in Days         | Accepted          | C++17    | 0.000 | 4/13/20, 2:15:29 AM |             |       |          |
|  |  | 17801899 | 1019    | Time Conversion     | Compilation error | C++17    | 0.000 | 4/13/20, 2:14:54 AM |             |       |          |
|  |  | 17801897 | 1018    | Banknotes           | Accepted          | C++17    | 0.000 | 4/13/20, 2:14:02 AM |             |       |          |
|  |  | 17801886 | 1018    | Banknotes           | Compilation error | C++17    | 0.000 | 4/13/20, 2:12:30 AM |             |       |          |
|  |  | 17801870 | 1018    | Banknotes           | Compilation error | C++17    | 0.000 | 4/13/20, 2:08:00 AM |             |       |          |
|  <b>TRIED</b><br>Problems not solved yet.  |  | 17801859 | 1017    | Fuel Spent          | Accepted          | C++17    | 0.000 | 4/13/20, 2:05:20 AM |             |       |          |

>All accepted :

|  |  |          |         |                     |          |          |       |                     |             |       |          |
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|  |  | 17801904 | 1020    | Age in Days         | Accepted | C++17    | 0.000 | 4/13/20, 2:15:29 AM |             |       |          |
|  |  | 17801897 | 1018    | Banknotes           | Accepted | C++17    | 0.000 | 4/13/20, 2:14:02 AM |             |       |          |
|  |  | 17801859 | 1017    | Fuel Spent          | Accepted | C++17    | 0.000 | 4/13/20, 2:05:20 AM |             |       |          |


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## > URI ONLINE JUDGE Problem 1017's Solution :



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

**SUBMISSION # 17801859**

PROBLEM: 1017 - Fuel Spent  
 ANSWER: **Accepted**  
 LANGUAGE: C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]  
 RUNTIME: 0.000s  
 FILE SIZE: 452 Bytes  
 SUBMISSION: 4/13/20, 2:05:20 AM

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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      // International Islamic University Chittagong (IIUC)
8      //Cell: 01834-756433
9      //Email: sorowarmahabub1709vip@gmail.com
10
11     int spenttime, averagespeed;
12     double T;
13     scanf("%d%d", &spendtime, &averagespeed);
14
15     T = (spendtime * averagespeed) / 12.0;
16
17     printf("%.31f\n", T);
18     return 0;
19
20 }
  
```

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## > URI ONLINE JUDGE Problem 1018's Solution :

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### SUBMISSION # 17801897

**PROBLEM:** 1018 - Banknotes  
**ANSWER:** Accepted  
**LANGUAGE:** C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]  
**RUNTIME:** 0.000s  
**FILE SIZE:** 790 Bytes  
**SUBMISSION:** 4/13/20, 2:14:02 AM

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### SOURCE CODE

```

1 #include <stdio.h>
2 #include <math.h>
3 int main()
4 {
5     int n;
6     int n0, n1, n2, n3, n4;
7     int n5, n6, n7, n8;
8     int n9, n10, n11, n12;
9
10    scanf("%d", &n);
11    printf("%d\n", n);
12
13    n0 = n / 100;
14    printf("%d nota(s) de R$ 100,00\n", n0);
15
16    n1 = n % 100;
17    n2 = n1 / 50;
18    printf("%d nota(s) de R$ 50,00\n", n2);
19
20    n3 = n1 % 50;
21    n4 = n3 / 20;
22    printf("%d nota(s) de R$ 20,00\n", n4);
23
24    n5 = n3 % 20;
25    n6 = n5 / 10;
26    printf("%d nota(s) de R$ 10,00\n", n6);
27
28    n7 = n5 % 10;
29    n8 = n7 / 5;
30    printf("%d nota(s) de R$ 5,00\n", n8);
31
32    n9 = n7 % 5;
33    n10 = n9 / 2;
34    printf("%d nota(s) de R$ 2,00\n", n10);
35
36    n11 = n9 % 2;
37    printf("%d nota(s) de R$ 1,00\n", n11);
38
39    return 0;
40 }
```


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## > URI ONLINE JUDGE Problem 1019's Solution :



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ADS VIA CARBON

**SUBMISSION # 17091300**

PROBLEM: 1019 - Time Conversion  
 ANSWER: **Accepted**  
 LANGUAGE: C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]  
 RUNTIME: 0.000s  
 FILE SIZE: 459 Bytes  
 SUBMISSION: 4/13/20, 2:16:01 AM


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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      // International Islamic University Chittagong (IIUC)
8      //Cell: 01834-756433
9      //Email: sorowarmahabub1709vip@gmail.com
10
11     int sc, h, m, s, mm;
12     scanf("%d", &sc);
13
14     h = sc / 3600;
15     mm = sc % 3600;
16     m = mm / 60;
17     s = mm % 60;
18
19     printf("%d:%d:%d\n", h, m, s);
20
21
22     return 0;
23
24 }
    
```

Submitted by-


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## > URI ONLINE JUDGE Problem 1020's Solution :



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ADS VIA CARBON

**SUBMISSION # 17601504**

PROBLEM: 1020 - Age in Days  
 ANSWER: **Accepted**  
 LANGUAGE: C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]  
 RUNTIME: 0.000s  
 FILE SIZE: 487 Bytes  
 SUBMISSION: 4/13/20, 2:15:30 AM



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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      // International Islamic University Chittagong (IIUC)
8      //Cell: 01834-756433
9      //Email: sorowarmahabub1709vip@gmail.com
10
11      int age, y, m, d, mm;
12      scanf("%d", &age);
13
14      y = age / 365;
15      mm = age % 365;
16      m = mm / 30;
17      d = mm % 30;
18
19      printf("%d ano(s)\n%d mes(es)\n%d dia(s)\n", y, m, d);
20
21      return 0;
22
23
24
25
    
```

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## > All Compilation Error's :

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Problem ID  Compilation error  Language

| #        | PROBLEM              | ANSWER            | LANGUAGE | TIME  | DATE                |
|----------|----------------------|-------------------|----------|-------|---------------------|
| 17801899 | 1019 Time Conversion | Compilation error | C++17    | 0.000 | 4/13/20, 2:14:54 AM |
| 17801886 | 1018 Banknotes       | Compilation error | C++17    | 0.000 | 4/13/20, 2:12:30 AM |
| 17801870 | 1018 Banknotes       | Compilation error | C++17    | 0.000 | 4/13/20, 2:08:00 AM |

## > One of Compilation;s:

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rintf

**SOURCE CODE**

```

1 19
2 #include <stdio.h>
3 #include <math.h>
4 int main()
5 {
6     //Author is Sorowar Mahabub
7     //Studies B. Sc in CSE
8     // International Islamic University Chittagong (IIUC)
9     //Cell: 01834-756433
10    //Email: sorowarmahabub1709vip@gmail.com
11
12    int sc, h, m, s, mm;
13    scanf("%d", &sc);
14
15    h = sc / 3600;
16    mm = sc % 3600;
17    m = mm / 60;
18    s = mm % 60;
19
20    printf("%d:%d:%d\n", h, m, s);
21
22
  
```

Submitted by-

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**02. Answer for “ [You will be given a 3 digit integer i.e. between 100 and 999. You have to print it's digits separately](#) ” :**

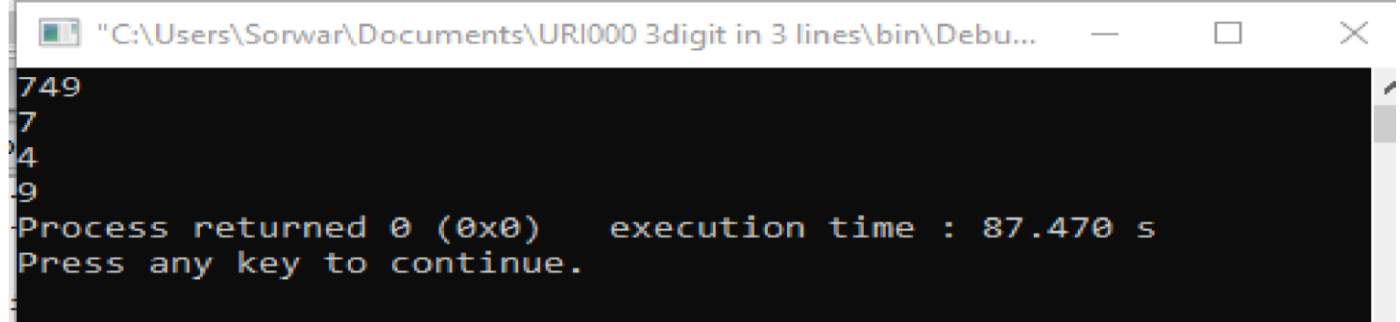
```
#include <stdio.h>
#include <math.h>
int main()
{
    //Author is Sorowar Mahabub
    //Studies B. Sc in CSE
    // International Islamic University Chittagong (IIUC)
    //Cell: 01834-756433
    //Email: sorowarmahabub1709vip@g-mail.com

    int num, n, o, oo, m;
    scanf("%d", &num);

    n = num / 100;
    o = num % 100;
    oo = o / 10;
    m = num % 10;

    printf("%d\n%d\n%d", n, oo, m);

    return 0;
}
```



```
"C:\Users\Sorwar\Documents\URI000 3digit in 3 lines\bin\Debu..."
749
7
4
9
Process returned 0 (0x0)   execution time : 87.470 s
Press any key to continue.
```

Submitted by-

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**02. Answer for “*It's a challenge. You will be given two double values A and B which contain 5 digits after decimal point. Find A % B without using fmod function. As we know % operator doesn't work on double values. So you have to find other way.*” :**

```

Coding C
Auto saved at 22:44:42
RUN MENU

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

```

## Compile Result

```

11.45680
10.00000
1.45680

```

[Process completed]

## Compile Result

```

19.35000
2.00000
1.35000

```

[Process completed]

Submitted by-

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