



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

Assignment

Assignment no- 08

Submission date- 19.04.2020

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)

1. URI 1042, 1043, 1044

All Submissions :



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Answer Language


#	PROBLEM	ANSWER	LANGUAGE	TIME	DATE
17883418	1044 Multiples	Accepted	C++17	0.000	4/19/20, 6:35:48 AM
17883407	1044 Multiples	Wrong answer (5%)	C++17	0.000	4/19/20, 6:32:09 AM
17883399	1044 Multiples	Wrong answer (5%)	C++17	0.000	4/19/20, 6:29:26 AM
17883395	1044 Multiples	Wrong answer (5%)	C++17	0.000	4/19/20, 6:28:00 AM
17883373	1043 Triangle	Wrong answer (70%)	C++17	0.000	4/19/20, 6:22:41 AM
17883366	1044 Multiples	Wrong answer (5%)	C++17	0.000	4/19/20, 6:20:16 AM
17883355	1043 Triangle	Accepted	C++17	0.000	4/19/20, 6:17:44 AM
17883348	1042 Simple Sort	Accepted	C++17	0.000	4/19/20, 6:15:14 AM

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SUBMISSION # 17883348

PROBLEM: 1042 - Simple Sort

ANSWER: **Accepted**


LANGUAGE: C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]

RUNTIME: 0.000s

FILE SIZE: 1.14 KB

SUBMISSION: 4/19/20, 6:15:14 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      //Int' Islamic University Chittagong (IIUC)
8      //Cell: 01834-756433
9      //Email: sorowarmahabub1709vip@gmail.com
10
11     int a, b, c, min, mid, max;
12     scanf("%d%d%d", &a, &b, &c);
13
14     if(a<b && a<c)
15     {
16         min = a;
17         if(b<c)
18         {
19             mid = b;
20             max = c;
21         }
22     }
23     else {
24         mid = c;
25         max = b;
26     }
27     else if(b<a && b<c)
28     {
29         min = b;
30         if(a<c)
31         {
32             mid = a;
33             max = c;
34         }
35     }
36     else {
37         mid = c;
38         max = a;
39     }
40 }
41 else {
42     min = c;
43     if(a<b)
44     {
45         mid = a;
46         max = b;
47     }
48     else {
49         mid = b;
50         max = a;
51     }
52 }
53 printf("%d\n%d\n%d\n", min, mid, max);
54 printf("%d\n%d\n%d\n", a, b, c);
55 return 0;
56 }

```

Submitted by-

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

SUBMISSION # 17883355

PROBLEM: 1043 - Triangle
ANSWER: **Accepted**
LANGUAGE: C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME: 0.000s
FILE SIZE: 548 Bytes
SUBMISSION: 4/19/20, 6:17:44 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      //Int' Islamic University Chittagong (IIUC)
8      //Cell: 01834-756433
9      //Email: sorowarmahabub1709vip@gmail.com
10
11     double a, b, c, p, ar;
12     scanf("%lf%lf%lf", &a, &b, &c);
13
14     if((a+b > c) && (b+c > a) && (c+a > b))
15     {
16         p = a+b+c;
17         printf("Perimetro = %.1lf\n", p);
18     }
19     else {
20         ar = 0.5*(a+b)*c;
21         printf("Area = %.1lf\n", ar);
22     }
23     return 0;
24 }
```



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SUBMISSION # 17883418

PROBLEM: 1044 - Multiples
ANSWER: **Accepted**
LANGUAGE: C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME: 0.000s
FILE SIZE: 431 Bytes
SUBMISSION: 4/19/20, 6:35:48 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     //Int' Islamic University Chittagong (IIUC)
8     //Cell: 01834-756433
9     //Email: sorowarmahabub1709vip@gmail.com
10
11     int a, b, c;
12     scanf("%d%d", &a, &b);
13
14     if(b%a == 0 || a%b == 0)
15     {
16         printf("Sao Multiplos\n");
17     }
18     else printf("Nao sao Multiplos\n");
19     return 0;
20 }
```


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One of WRONG:



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SUBMISSION # 17883407

PROBLEM: 1044 - Multiples
 ANSWER: **Wrong answer (5%)**
 LANGUAGE: C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
 RUNTIME: 0.000s
 FILE SIZE: 416 Bytes
 SUBMISSION: 4/19/20, 6:32:09 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      //Int' Islamic University Chittagong (IIUC)
8      //Cell: 01834-756433
9      //Email: sorowarmahabub1709vip@gmail.com
10
11     int a, b;
12     scanf("%d%d", &a, &b);
13
14     if(b%a == 0)
15     {
16         printf("sao Multiplos\n");
17     }
18     else printf("Nao sao Multiplos\n");
19     return 0;
20 }
  
```

2. You will be given an upper or lower case Latin character as input. Print whether it is upper case or lower case.

Sample Input	Sample Output
A	Upper
h	Lower
B	Upper

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Department of CSE (Computer Science and Engineering)

Code for above question :

```
Coding C
Auto saved at 15:54:53
RUN MENU

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     char a = 'A';
12     scanf("%c", &a);
13     int x = a;
14
15     if((x >= 65) && (x <= 90))
16     {
17         printf("Upper\n");
18     }
19     else if((x >= 97) && (x <= 122))
20     {
21         printf("Lower\n");
22     }
23     return 0;
24 }
```

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Compile Result

A
Upper

[Process completed - press Enter]

Compile Result

h
Lower

[Process completed - press Enter]

3. You will be given an upper or lower case Latin character as input. Print the opposite case of this character.

Sample Input	Sample Output
A	a
b	B
H	h

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Matric ID: C201032, Section: A

Department of CSE (Computer Science and Engineering)

Code for above question :

```
Coding C RUN MENU  
Auto saved at 15:58:31  
  
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     char a = 'a';  
12     scanf("%c", &a);  
13     int x= a + 32;  
14  
15     printf("%c\n", x);  
16     return 0;  
17 }
```

```
Compile Result  
  
A  
a  
  
[Process completed - press Enter]
```

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Compile Result

```
H  
h
```

```
[Process completed - press Enter]
```

4. You will be given a character as input. Print whether it is **alphanumeric** or not.
See what is **alphanumeric** from here: <https://en.wikipedia.org/wiki/Alphanumeric>

Sample Input	Sample Output
A	Alphanumeric
*	Not Alphanumeric
8	Alphanumeric

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Code for above question :

```
Coding C
Auto saved at 16:18:27
RUN MENU

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     char a = '@';
12     scanf("%c", &a);
13     int x= a;
14
15     //Assalamualikum, sir, এখানে মোবাইলের ডিসপ্লেতে...
16     //ক্ষিন ছোট তাই if এর indentation টা এভাবে দেয়া।
17
18 if((x>=65&&x<=90)|| (x>=48&&x<=57)|| (x>=97&&x<=122))
19 {
20     printf("Alphanumeric\n");
21 }
22 else
23 {
24     printf("Not Alphanumeric\n");
25 }
26 return 0;
27 }
```

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Compile Result

```
A
Alphanumeric
[Process completed - press Enter]
```

Compile Result

```
0
Alphanumeric
[Process completed - press Enter]
```

Compile Result

```
&
Not Alphanumeric
[Process completed - press Enter]
```

5. You will be given an upper or lower case Latin character as input. Print whether it is vowel or consonant.

Sample Input	Sample Output
A	Vowel
i	Vowel
H	Consonant

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Department of CSE (Computer Science and Engineering)

Code for above question :

```

Coding C
Auto saved at 16:30:17
RUN MENU

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     char a = 'o';
12     scanf("%c", &a);
13     int x= a;
14
15     //Assalamualikum, sir, এখানে মোবাইলের ডিসপ্লেতে...
16     //ক্ষিন ছোট তাই if এর indentation টা এভাবে দেয়া!
17
18     if(x==65 || x==69 || x==73 || x==79 || x==85 || x==97
19         || x==101 || x==105 || x==111 || x==117)
20     {
21         printf("Vowel\n");
22     }
23     else
24     {
25         printf("Consonant\n");
26     }
27     return 0;
28 }

```

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Compile Result

A
Vowel

[Process completed - press Enter]

Compile Result

H
Consonant

[Process completed - press Enter]

6. Just play the game rock-paper-scissor!!

Assalamualaikum, Sir.

Hope you are well by the grace of Almighty. Sir, Sorry to say that The mentioned game (Q. No.: 6) , **ROCK-PAPER-SCISSOR**, that I could not play. But you will be glad to know that I have already download a vedio to understand about the game.

Thank you, Sir.

Your most Obedient student-

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