C Programming Lab Record Week -1 Practice Session Coding

Name: R.JEEVAN

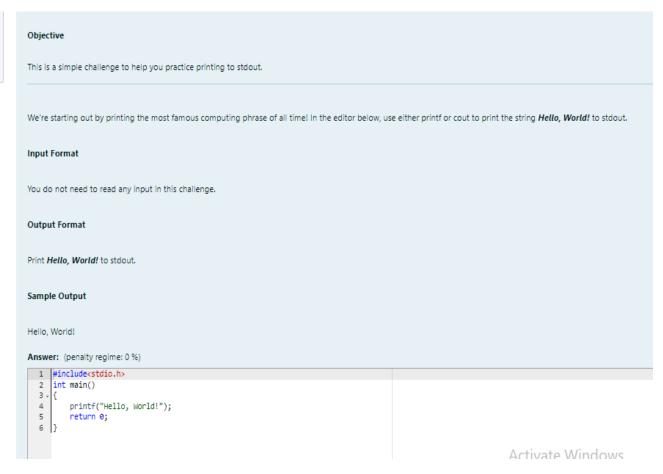
Roll Number: 241501075

Department : AIML

Section: B

Practice session 1

Question 1
Correct
Marked out of 3.00
F Flag question



Expected Got

Hello, World! Hello, World! ✓

Passed all tests! ✓

Question 2
Correct
Marked out of 5.00
F Flag question

Objective

This challenge will help you to learn how to take a character, a string and a sentence as input in C.

To take a single character ch as input, you can use scanf("%c", &ch); and printf("%c", ch) writes a character specified by the argument char to stdout:

char ch; scanf("%c", &ch); printf("%c", ch);

This piece of code prints the character ch.

Task

You have to print the character, ch.

Input Format

Take a character, ch as input.

Output Format

Print the character, ch.

Answer: (penalty regime: 0 %)

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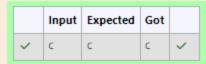
```
Answer: (penalty regime: 0 %)
```

```
#include<stdio.h>
int main()

char ch;
scanf("%c",&ch);
printf("%c",ch);

return 0;

}
```



Passed all tests! 🗸

Question **3**Correct
Marked out of 7.00
F Flag question

Objective

The fundamental data types in c are int, float and char. Today, we're discussing int and float data types.

The printf() function prints the given statement to the console. The syntax is printf("format string", argument_list); In the function, if we are using an integer, character, string or float as argument, then in the format string we have to write %d (integer), %c (character), %s (string), %f (float) respectively.

The scanf() function reads the input data from the console. The syntax is scanf("format string", argument_list);. For ex: The scanf("%d",&number) statement reads integer number from the console and stores the given value in variable *number*.

To input two integers separated by a space on a single line, the command is scanf("%d %d", &n, &m), where n and m are the two integers.

Task

Your task is to take two numbers of int data type, two numbers of float data type as input and output their sum:

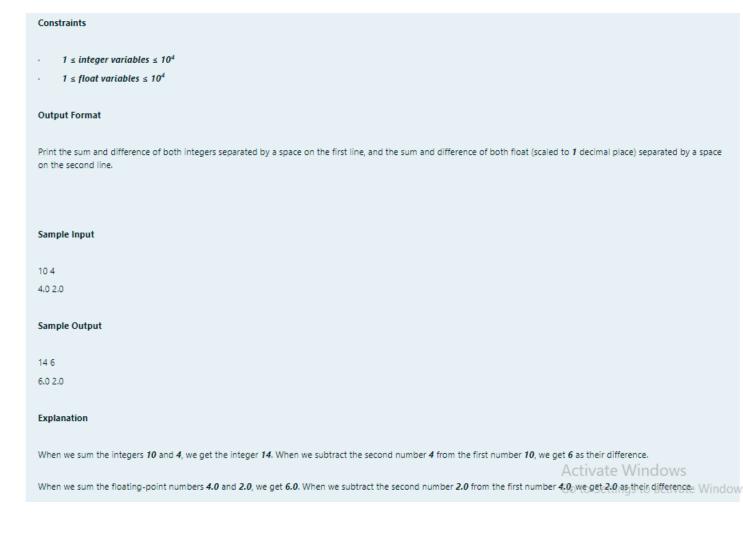
- 1. Declare 4 variables: two of type int and two of type float.
- 2. Read 2 lines of input from stdin (according to the sequence given in the 'Input Format' section below) and initialize your 4 variables.
- 3. Use the + and operator to perform the following operations:
- o Print the sum and difference of two int variable on a new line.
- o Print the sum and difference of two float variable rounded to one decimal place on a new line.

Input Format

The first line contains two integers.

The second line contains two floating point numbers.

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```
Answer: (penalty regime: 0 %)
```

```
1 #include<stdio.h>
2 int main()
3 + {
       int a,b;
       scanf("%d%d",&a,&b);
5
       printf("%d %d\n" ,a+b,a-b);
6
7
8
9
        float c,d;
        scanf("%f%f",&c,&d);
printf("%.1f %.1f", c+d,c-d);
10
11
12
        return 0;
13
14
15
16 }
```

	Input	Expected	Got	
~	10 4 4.0 2.0	14 6 6.0 2.0	14 6 6.0 2.0	~
~	20 8 8.0 4.0	28 12 12.0 4.0	28 12 12.0 4.0	~

Passed all tests! 🗸