

Week 01-01-Practice Session-Coding: Attempt review | REC-CIS - Google Chrome

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GE23131-Programming Using C-2024

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Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Friday, 25 October 2024, 8:57 AM
Duration	59 days 8 hours

Question 1

Correct

Marked out of 3.00

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Objective

This is a simple challenge to help you practice printing to stdout.

We're starting out by printing the most famous computing phrase of all time! In the editor below, use either `printf` or `cout` to print the string ***Hello, World!*** to stdout.

Input Format

You do not need to read any input in this challenge.

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Output Format

Print ***Hello, World!*** to stdout.

Sample Output

Hello, World!

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     printf("Hello, World!");
4     return 0;
5 }
```

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	Expected	Got	
✓	Hello, world!	Hello, world!	✓

Passed all tests! ✓

Question 2

Correct

Marked out of 5.00

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 `ch` to stdout:

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

This piece of code prints the character **ch**.

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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 %)

```
1 #include<stdio.h>
2 int main(){
3     char c;
4     scanf("%c",&c);
5     printf("%c",c);
6     return 0;
7 }
```

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	Input	Expected	Got
✓	C	C	C

Passed all tests! ✓

Question 3

Correct

Marked out of 7.00

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

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

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

Constraints

- $1 \leq \text{integer variables} \leq 10^4$
- $1 \leq \text{float variables} \leq 10^4$

Output Format

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Print the sum and difference of both integers separated by a space on the first line, and the sum and difference of both float (scaled to 1 decimal place) separated by a space on the second line.

Sample Input

```
10 4
4.0 2.0
```

Sample Output

```
14 6
6.0 2.0
```

Explanation

When we sum the integers **10** and **4**, we get the integer **14**. When we subtract the second number **4** from the first number **10**, we get **6** as their difference.

When we sum the floating-point numbers **4.0** and **2.0**, we get **6.0**. When we subtract the second number **2.0** from the first number **4.0**, we get **2.0** as their difference.

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Answer: (penalty regime: 0 %)

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

	Input	Expected	Got	
✓	10 4	14 6	14 6	✓
✓	4.0 2.0	6.0 2.0	6.0 2.0	✓

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10 } }

	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! ✓

Finish review