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Sum and Difference of Two Numbers ★

C language ★★★★

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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:
   - Print the sum and difference of two int variable on a new line.

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Difficulty   Easy

Max Score   5

Submitted By   767131

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- 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

- $1 \leq$ integer variables $\leq 10^4$
- $1 \leq$ float variables $\leq 10^4$

Output Format

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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```c
10      int j,k;
11      float g,h;
12      scanf("%d %d",&j,&k);
13
14      scanf("%f %f",&g,&h);
15      sum(j,k);
16      sub(g,h);
17
18  return 0;
19
20
21
22
23  }
24  void sum(int m,int n){
25
26      int su =m+n ;
27      int sas=m-n;
28
29      printf("%d %d \n",su,sas);
30  }
31  void sub(float m, float n){
32      float subs=m+n;
33      printf("%.1f ",subs);
34      float subss=m-n;
35      printf("%.1f",subss);
36  }
37
```

Line: 37 Col: 1

⬆ Upload Code as File | ☐ Test against custom input | Run Code | Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

✓ **Sample Test case 0**

Input (stdin)   Download

```
1   10 4
2   4.0 2.0
```

Your Output (stdout)

```
1   14 6
2   6.0 2.0
```

Expected Output   Download

```
1   14 6
2   6.0 2.0
```