



# Sum and Difference of Two Numbers



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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.
  - 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

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

Line: 12 Col: 43

Upload Code as File

☐ Test against custom input

Run Code

Submit Code

### ✓ Test case 0

### ✓ Test case 1

### ✓ Test case 2

### ✓ Test case 3

#### Compiler Message

Success

#### Input (stdin)

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

#### Expected Output

```
1 14 6
```

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2 | 6.0 2.0

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