

Week 1

Roll No.: 241701006

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WEEK 01-01

Question 1

Correct

Marked out of 3.00

Flag question

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.

Output Format

Print *Hello, World!* to stdout.

Sample Output

Hello, World!

Answer: (penalty regime: 0 %)

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

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

Passed all tests! ✓

Question 2

Correct

Marked out of 3.00

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 `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 %)

```
1 #include <stdio.h>
2 int main()
3 {
4     char ch;
5     scanf("%c", &ch);
6     printf("%c", ch);
7     return 0;
8 }
```

	Input	Expected	Got	
✓	c	c	c	✓

Passed all tests! ✓

Question 3

Correct

Marked out of 3.00

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

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.

Constraints

- i* < integer variables < 10^4
- f* < float variables < 10^2

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 located to 1 decimal point separated by a space on the second line.

Sample Input

```
10 4
43.23
```

Sample Output

```
14 6
63.23
```

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 43.0 and 2.0 we get 45.0. When we subtract the second number 2.0 from the first number 43.0 we get 41.0 as their difference.

Answer: (generally regime: 0 %)

```
1 3 #include<iostream.h>
2 using namespace std;
3 int main()
4 {
5     int a,b,c,d;
6     float x,y,z,w;
7     cin>>a;
8     cin>>b;
9     cin>>x;
10    cin>>y;
11    cin>>z;
12    cin>>w;
13    cout<<endl;
14    cout<<endl;
15    return 0;
16 }
```

Input	Expected	Got
10 4	14 6	14 6
43.23 2.0	45.0 41.0	45.0 41.0

Passed all tests! ✓

WEEK 01-02

Status: Finished

Started: Monday, 22 December 2024 5:52 PM

Completed: Wednesday, 23 October 2024 12:57 PM

Duration: 61 days 5 hours

Course: 1
Content
Marked out of 100
0% this session

Write a program to input a name (as a single character) and marks of three tests as m1, m2, and m3 of a student considering all the three marks have been given in integer format.

Now you need to calculate the average of the given marks and print it along with the name as mentioned in the output format section.

All the test marks are in integers and hence calculate the average in integer as well. That is, you need to print the integer part of the average only and neglect the decimal part.

Input format:

Line 1: Name (Single character)

Line 2: 3 marks scored in the 3 tests separated by single space.

Output format:

First line of output prints the name of the student.

Second line of the output prints the average mark.

Constraints:

Marks for each student lie in the range 0 to 100 (both inclusive).

Sample input 1:

A

7 8 8

Sample output 1:

A

4

Sample input 2:

T

7 8 8

Sample output 2:

T

6

Answer: (generally regime: 0 %)

```
1 3 #include<iostream.h>
2 using namespace std;
3 int main()
4 {
5     char a;
6     int m1,m2,m3;
7     float avg;
8     cin>>a;
9     cin>>m1;
10    cin>>m2;
11    cin>>m3;
12    avg=(m1+m2+m3)/3;
13    cout<<endl;
14    cout<<endl;
15    return 0;
16 }
```

Input	Expected	Got
A	A	A
7 8 8	4	4
T	T	T
7 8 8	6	6

Passed all tests! ✓

