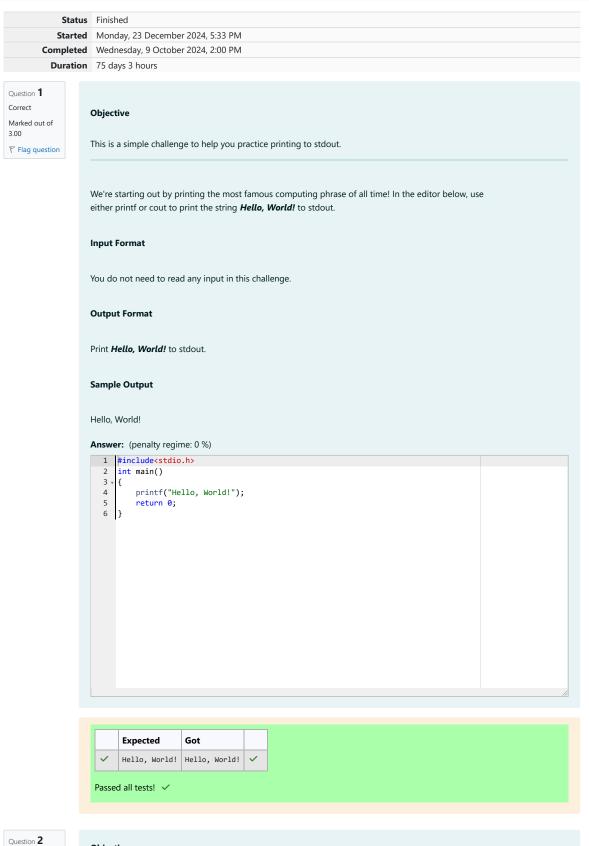
GE23131-Programming Using C-2024





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 char to stdout:

char ch; scanf("%c", &ch); printf("%c", ch); This piece of code prints the character \emph{ch} .

Task

You have to print the character, ch.

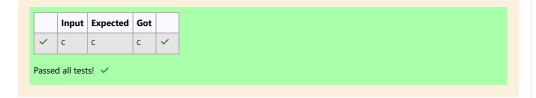
Input Format

Take a character, *ch* as input.

Output Format

Print the character, ch.

Answer: (penalty regime: 0 %)



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 $\bf n$ and $\bf m$ 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.
- . 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

- · 1 ≤ integer variables ≤ 10⁴
- \cdot 1 ≤ float variables ≤ 10⁴

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.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
     int main()
3 1
          int a=10,b=4,c,d;
4
         float p=4.0,q=2.0,r,s;
scanf("%d%d",&a,&b);
scanf("%f%f",&p,&q);
5
6
         c=a+b;
printf("%d ",c);
 8
9
10
          d=a-b;
          printf("%d\n",d);
11
          r=p+q;
          printf("%.1f ",r);
13
          s=p-q;
printf("%.1f",s);
14
15
16
          return 0;
17
```

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

Passed all tests! ✓