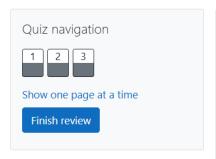
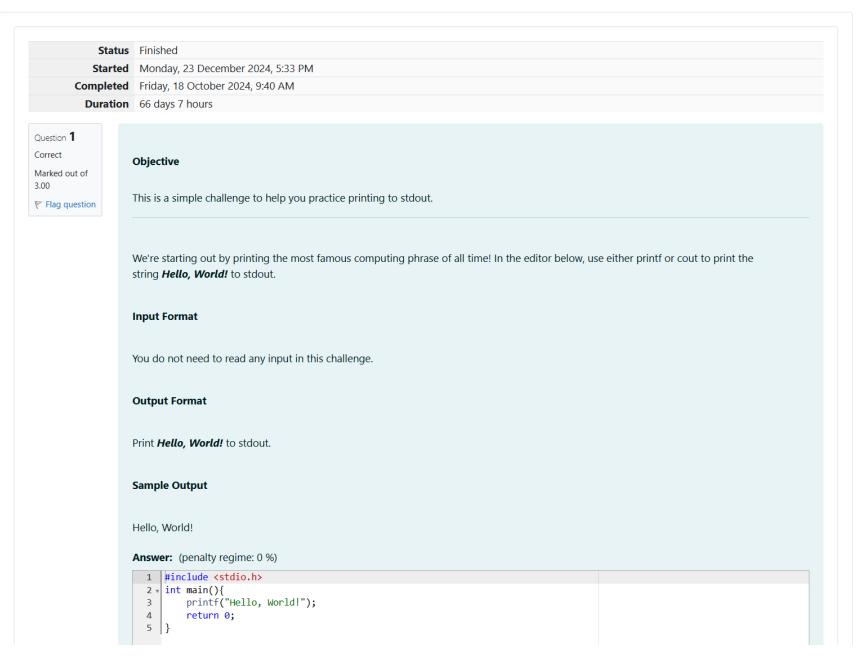
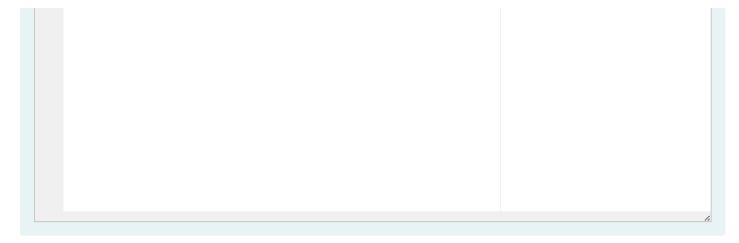
# GE23131-Programming Using C-2024







Г	Expected	Got	
~	Hello, World!	Hello, World!	~
Pass	ed 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 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 %)

```
#include <stdio.h>
int main(){
    char ch;
    scanf("%c", %ch);
    printf("%c", ch);
    return 0;
}

#include <stdio.h>
int main(){
    char ch;
    scanf("%c", %ch);
    printf("%c", ch);
    return 0;
}
```

	Input	Expected	Got	
~	С	С	С	<b>~</b>

Passed all tests! <

# Question **3**

Correct

Marked out of 7.00

IV Flag question

## Objective

The fundamental data types in c are int, float and char. Today, we're discussing int and float data types.

1 Hay question

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

- 1 ≤ integer variables ≤ 10<sup>4</sup>
- 1 ≤ float variables ≤ 10<sup>4</sup>

#### **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 %)

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

	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! <

Finish review