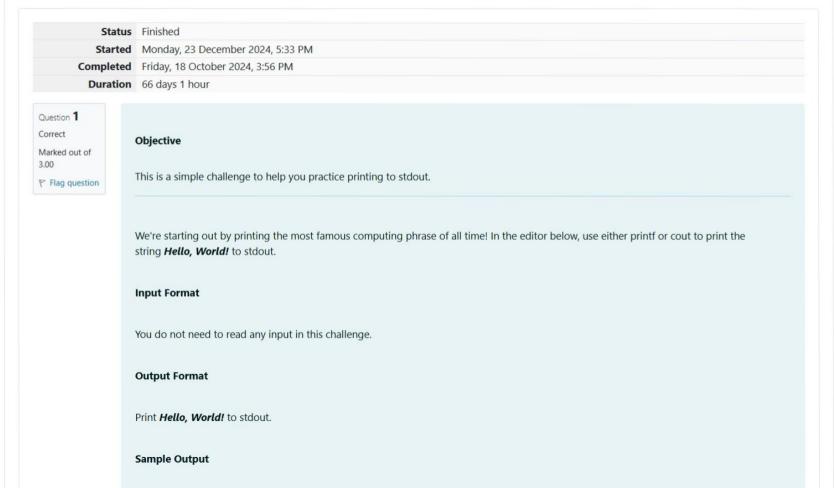
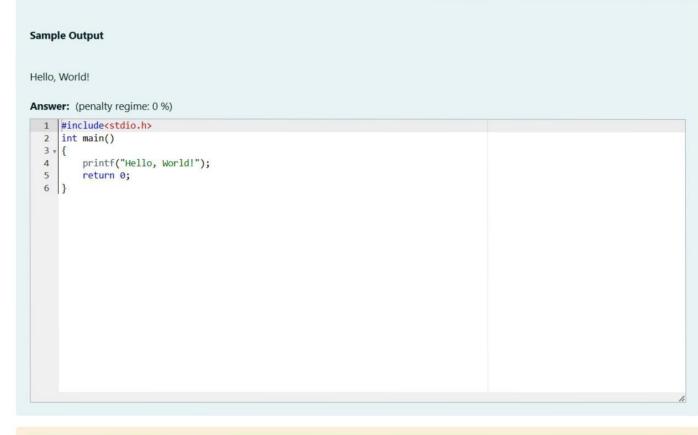
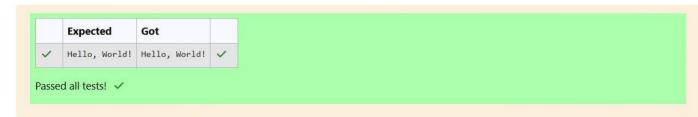
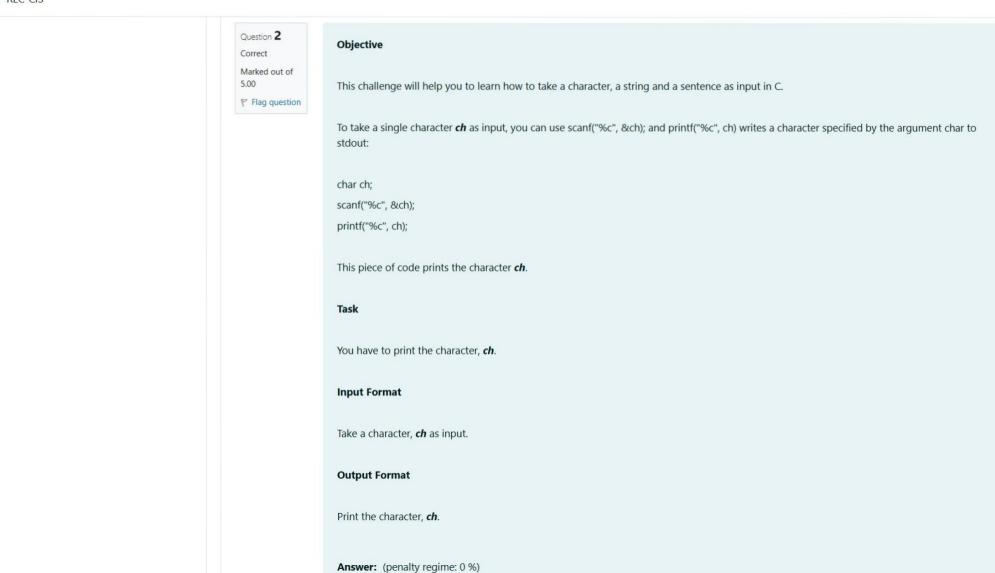
GE23131-Programming Using C-2024



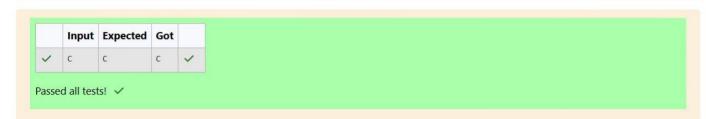












Question 3
Correct
Marked out of
7.00
▼ Flag question

Objective The printf() function prints the given statement to the console. The syntax is printf("format string", argument_list);. In the function, if we are

Task

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

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.

Your task is to take two numbers of int data type, two numbers of float data type as input and output their sum:

Declare 4 variables: two of type int and two of type float. 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.

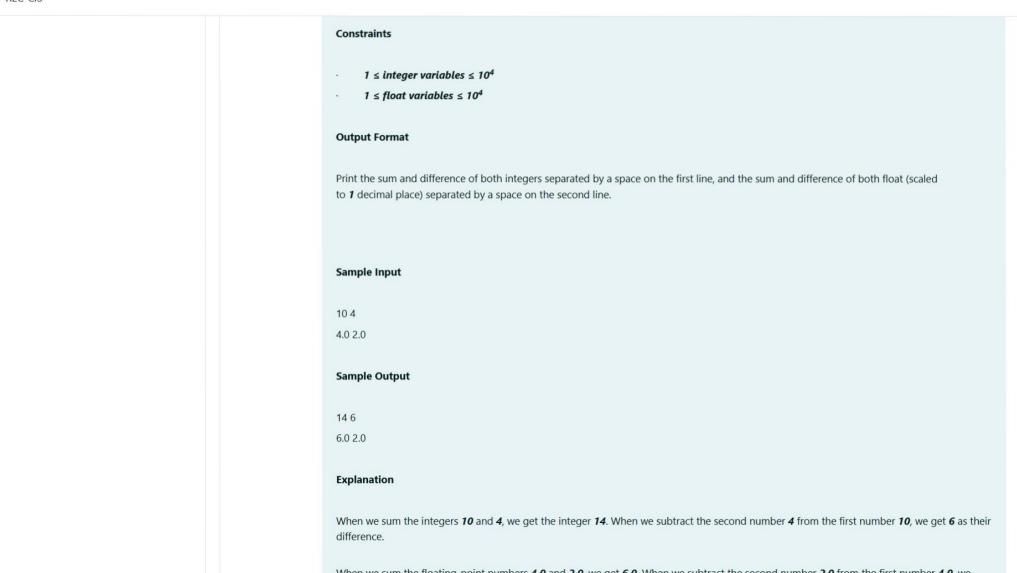
Input Format

The first line contains two integers.

The second line contains two floating point numbers.

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.



```
Answer: (penalty regime: 0 %)
     #include<stdio.h>
 2 int main()
 3 + {
        int i1, i2, s1, d1;
 4
        float f1, f2, s2, d2;
        scanf("%d%d",&i1,&i2);
        scanf("%f%f",&f1,&f2);
        s1=i1+i2;
        d1=i1-i2;
10
        s2=f1+f2;
        d2=f1-f2;
11
12
        printf("%d %d\n",s1,d1);
        printf("%.1f %.1f",s2,d2);
13
14
        return 0;
15 }
```

Input	Expected	Got	
10 4	14 6 6.0 2.0	14 6 6.0 2.0	~
20 8 8.0 4.0	28 12 12.0 4.0		~