

REC-CIS

[Show one page at a time](#)[Finish review](#)**Status** Finished**Started** Monday, 23 December 2024, 5:33 PM**Completed** Thursday, 10 October 2024, 9:42 AM**Duration** 74 days 7 hours**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.

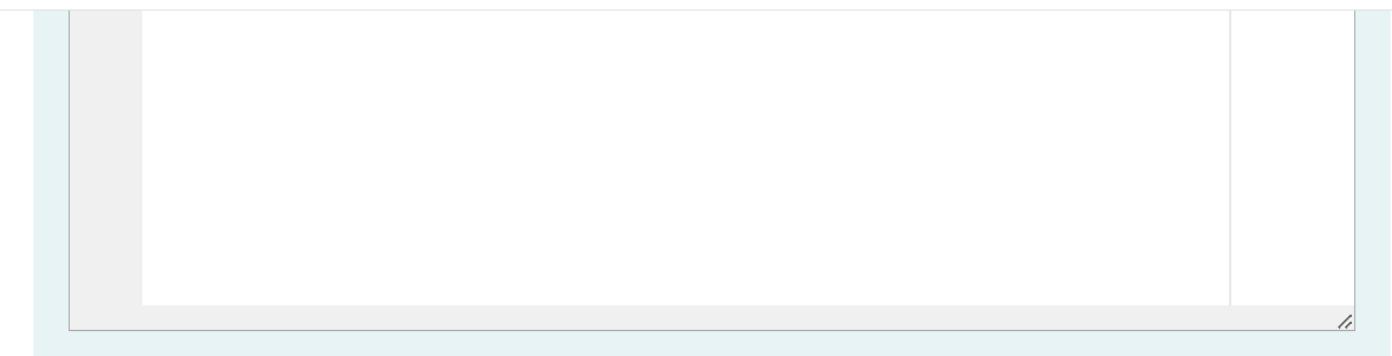
Sample Output

Hello, World!

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     printf("Hello, World!");
5     return 0;
6 }
```

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	Expected	Got	
✓	Hello, World!	Hello, World!	✓

Passed all tests! ✓

Question 2

Correct

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5.00

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Objective

This challenge will help you to learn how to take a character, a string and a sentence as input in C.

Question 2

Correct

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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

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 }
```

Week-01-01-Practice Session-Coding: Attempt review | REC-CIS - Google Chrome

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Input Format
One character as input.

Output Format
Print the character, ch.

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

Passed all tests! ✓

Question 3
Correct
Marked out of 7.00
Flag question

Objective

The fundamental data types in C are int, float and char. Today, we're covering the printf() function which prints the given statement to the console. The syntax is printf(format).

Snipping Tool

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Upcoming Earnings

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14-01-2025

Question 3

Correct

Marked out of
7.00 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

- $1 \leq \text{integer variables} \leq 10^4$
- $1 \leq \text{float variables} \leq 10^4$

Output Format

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

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 %)

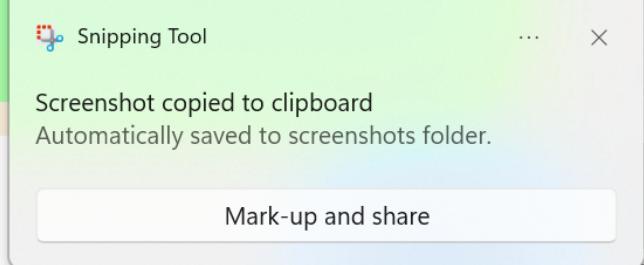
```
1 #include<stdio.h>
2 int main()
3 {
4     int a,b;
5     float c,d;
6     scanf("%d %d %f %f",&a,&b,&c,&d);
7     printf("%d %d\n",a+b,a-b);
8     printf("%.1f %.1f",c+d,c-d);
9     return 0;
10 }
```

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

Passed all tests! ✓

A screenshot of a code editor window titled "Week-01-01-Practice Session-Coding: Attempt review | REC-CIS - Google Chrome". The code is written in Python and defines a function to calculate the difference between two numbers.

Week-01-02-Practice Session-Coding: Attempt review | REC-CIS - Google Chrome

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GE23131-Programming Using C-2024

Quiz navigation

1 2 3

Show one page at a time

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Status Finished

Started Monday, 23 December 2024, 5:33 PM

Completed Thursday, 17 October 2024, 9:33 AM

Duration 67 days 7 hours

Question 1

Correct

Marked out of 3.00

Flag question

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 :

Managing input...

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14-01-2025

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Line 1 : Name(Single character)

Line 2 : 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

3 4 6

Managing input...



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Sample Output 1 :

A

4

Sample Input 2 :

T

7 3 8

Sample Output 2 :

T

6

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main ()
```

Managing input...



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Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main ()
3 {
4     char a;
5     int t,b,c,d;
6     scanf("%c\n%d%d%d",&a,&b,&c,&d);
7     t=(d+b+c)/3;
8     printf("%c\n%d",a,t);
9     return 0;
10 }
```

	Input	Expected	Got	
✓	A	Δ	Δ	✓

Managing input...



Week-01-02-Practice Session-Coding: Attempt review | REC-CIS - Google Chrome

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	Input	Expected	Got	
✓	A 3 4 6	A 4	A 4	✓
✓	T 7 3 8	T 6	T 6	✓
✓	R 0 100 99	R 66	R 66	✓

Passed all tests! ✓

Question 2

Correct

Marked out of
5.00

Flag question

Some C data types, their format specifiers, and their most common bit widths are as follows:

- *Int ("%d")*: 32 Bit integer
- *Long ("%ld")*: 64 bit integer
- *Char ("%c")*: Character type
- *Float ("%f")*: 32 bit real value
- *Double ("%lf")*: 64 bit real value

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Reading

To read a data type, use the following syntax:

```
scanf(`formatSpecifier`, &val)
```

For example, to read a *character* followed by a *double*:

```
char ch;  
double d;  
  
scanf("%c %lf", &ch, &d);
```

For the moment, we can ignore the spacing between format specifier

Printing

To print a data type, use the following syntax:

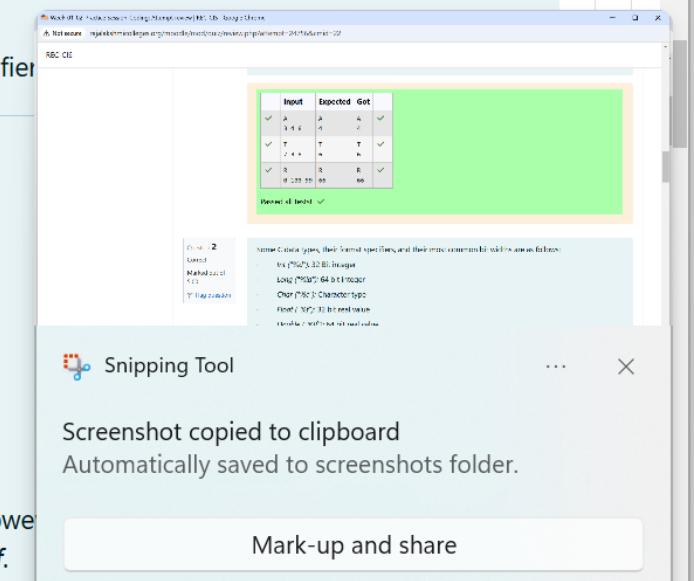
```
printf(`formatSpecifier`, val)
```

For example, to print a *character* followed by a *double*:

```
char ch = 'd';  
double d = 234.432;  
  
printf("%c %lf", ch, d);
```

Note: You can also use *cin* and *cout* instead of *scanf* and *printf*, however input and printing a million lines, it is faster to use *scanf* and *printf*.

Input Format



The screenshot shows a Windows Snipping Tool window with a green highlighted area. Inside the window, there is a table comparing expected values with the values obtained (Got). The table has columns for Input, Expected, and Got.

Input	Expected	Got
3 4 5	3	3
T	T	T
0.123 45.67	0.123	0.123

Below the table, there is a note about common data types and their format specifiers, along with links to documentation for `int`, `long`, `char`, and `float`.

Snipping Tool
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Input consists of the following space-separated values: *int*, *long*, *char*, *float*, and *double*, respectively.

Output Format

Print each element on a new line in the same order it was received as input. Note that the floating point value should be correct up to 3 decimal places and the double to 9 decimal places.

Sample Input

3 12345678912345 a 334.23 14049.30493

Sample Output

3
12345678912345
a
334.230
14049.304930000

Explanation

Print *int* **3**,
followed by *long* **12345678912345**,
followed by *char* **a**,
followed by *float* **334.23**,
followed by *double* **14049.30493**.



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followed by double **14049.30493**.

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main ()
3 {
4     int a;
5     long b;
6     char c;
7     float d;
8     double e;
9     scanf("%d\n%d\n%c\n%f\n%lf",&a,&b,&c,&d,&e);
10    printf("%d\n",a);
11    printf("%ld\n",b);
12    printf("%c\n",c);
13    printf("%.3f\n",d);
14    printf("%.9f\n",e);
15    return 0;
16 }
17
```

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	Input	Expected	Got	
✓	3 12345678912345 a 334.23 14049.30493	3 12345678912345 a 334.230 14049.304930000	3 12345678912345 a 334.230 14049.304930000	✓

Passed all tests! ✓

Question 3

Correct

Marked out of
7.00

Flag question

Write a program to print the ASCII value and the two adjacent characters of a character entered by user 14049.30493

Input

E

Output

69

Snipping Tool

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```
Answer: #include <iostream>
int main()
{
    char ch;
    cin >> ch;
    cout << "The ASCII value of the character is " << int(ch) << endl;
    cout << "The character before it is " << char(int(ch)-1) << endl;
    cout << "The character after it is " << char(int(ch)+1) << endl;
}
```

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69

D F

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main ()
3 {
4     char c;
5     scanf("%c",&c);
6     printf("%d\n",c);
7     printf("%c %c\n",c-1,c+1);
8     return 0;
9 }
```

Managing input...

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Passed all tests! ✓

	Input	Expected	Got	
✓	E D F	69 D F	69 D F	✓

Answer (open by clicking 0.9)

```
1 int calculateSum(int arr[], int n){  
2     int sum = 0;  
3     for (int i = 0; i < n; i++) {  
4         sum += arr[i];  
5     }  
6     return sum;  
7 }
```

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