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 %)

```
#include<stdio.h>
   int main()
3 ,
       printf("Hello, World!");
       return 0;
6
```

	Expected	Got	
~	Hello, World!	Hello, World!	~

Passed 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);

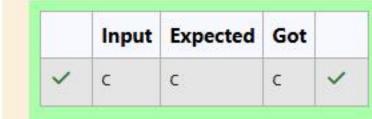
printf("%c", ch);

This piece of code prints the character ch.

## Task

You have to print the character, ch.

```
Answer: (penalty regime: 0 %)
    #include<stdio.h>
     int main()
          char ch;
         scanf("%c",&ch);
         printf("%c",ch);
          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 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  $\mathbf{n}$  and  $\mathbf{m}$  are the two integers.

# Answer: (penalty regime: 0 %)

```
#include<stdio.h>
    int main()
 3 4
 4
        int a,b,sumi,diffi;
        float c,d,sumf,difff;
        scanf("%d%d",&a,&b);
 6
        scanf("%f%f",&c,&d);
 8
        sumi = a+b;
        diffi = a-b;
 9
        sumf = c+d;
10
        difff = c-d;
11
12
        printf("%d %d\n", sumi, diffi);
13
        printf("%.1f %.1f", sumf, difff);
14
        return 0;
15
```

	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! <

Question 1
Correct

3.00

Flag question

Marked out of

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: 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.

```
Answer: (penalty regime: 0 %)
    1 #include<stdio.h>
       int main()
           int m1, m2, m3, avg;
           char name;
           scanf("%c",&name);
           scanf("%d %d %d",&m1,&m2,&m3);
           avg = (m1 + m2 + m3)/3;
           printf("%c\n",name);
  10
  11
           printf("%d",avg);
  12
           return 0;
  13
```

	Input	Expected	Got	
~	A	A	A	,
	3 4 6	4	4	
~	т	Т	Т	,
	7 3 8	6	6	
~	R	R	R	,
	0 100 99	66	66	

Passed all tests! <

Question 2

Correct

Marked out of 5.00

P 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

#### Reading

To read a data type, use the following syntax:

scanf("'format\_specifier'", &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 specifiers.

#### Printing

To print a data type, use the following syntax:

printf("format\_specifier", 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, if you are taking a million numbers as input and printing a million lines, it is faster to use *scanf* and *printf*.

#### **Input Format**

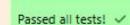
Input consists of the following space-separated values: int, long, char, float, and double, respectively.

### **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.

```
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
     int main()
          int p;
          long int q;
          char a;
          float r;
          double s;
          scanf("%d %ld %c %f %lf",&p,&q,&a,&r,&s);
   9
          printf("%d\n%ld\n%c\n%.3f\n%.9lf",p,q,a,r,s);
  10
  11
          return 0;
  12
```

	Input	Expected	Got	
~	3 12345678912345 a 334.23 14049.30493	3	3	~
		12345678912345	12345678912345	
		a	а	
		334.230	334.230	
		14049.304930000	14049.304930000	



```
Question 3
Correct
```

Marked out of 7.00

F Flag question

Write a program to print the ASCII value and the two adjacent characters of the given character.

Input

E

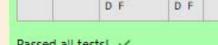
Output

69

DF

Answer: (penalty regime: 0 %)

	Input	Expected	Got
~	E	69	69
		DF	DF



Passed all tests! <