

**Description:** Write a C program to take an integer (x) number as input and display it.

Here -100000 < x < 100000

Sample Input:

10

Sample Output:

10

Sample Input:

12

Sample Output:

12

**Description:** Write a C program to take a floating point (x) number as input and display it.

Here -100000 < x < 100000

Sample Input:

56.212322

Sample Output:

56.212322

Sample Input:

1020.098345

Sample Output:

1020.098345

**Description:** Write a C program to take a character(c) as input and display it.

Sample Input:

a

Sample Output:

a

Sample Input:

9

Sample Output:

9

**Description:** Write a C program to take a character(c) as input and display its ASCII value.

Sample Input:

A

Sample Output:

65

Sample Input:

(

Sample Output:

48

**Description:** Write a C program to take two integer number (x and y) as input and display the sum of that two numbers.

Sample Input:

10 25

Sample Output:

35

Sample Input:

-10 50

Sample Output:

40

**Description:** Write a C program to take two integer number (x and y) as input and display the value of x-y.

Sample Input:

10 25

Sample Output:

-15

Sample Input:

10 5

Sample Output:

5

**Description:** Write a C program to take two integer number (x and y) as input and display the value of x multiplied by y.

Sample Input:

10 25

Sample Output:

250

Sample Input:

10 -1

Sample Output:

-10

**Description:** Write a C program to take two integer number (x and y) as input and display the value of x modulo y (x%y). [Modulo means remainder]

Sample Input:

36 11

Sample Output:

3

Sample Input:

125 5

Sample Output:

C



**Description:** Write a C program to take two integer number (x and y) as input and display the output in the given format.

# Sample Input:

10 3

## Sample Output:

$$10 + 3 = 13$$

$$10 - 3 = 7$$

$$10 \times 3 = 30$$

## Sample Input:

5 2

## Sample Output:

$$5 + 2 = 7$$

$$5 - 2 = 3$$

$$5 \times 3 = 15$$

$$5 / 3 = 1$$



**Description:** Write a C program to take two integer number (x and y) as input and display the output in the given format.

Sample Input:

102 30

Sample Output:

30 102

Sample Input:

130 -121

Sample Output:

-121 130

**Description:** Given the base and height of a triangle, determine its area.

Sample Input:

4 6

Sample Output:

12

Sample Input:

11 8

Sample Output:

44

Area of triangle = (1/2) \* base \* height



**Description:** Given the radius(r) of a circle, determine its area.

Sample Input:

12

Sample Output:

Sample Input:

10

Sample Output:

Area of circle =  $Pi * r^2$ 

**Description:** Given three edges (a, b and c) of a triangle, determine its area.

Sample Input:

5 6 10

Sample Output:

Sample Input:

3 6 8

Sample Output:

area = 
$$\sqrt{s(s-a)(s-b)(s-c)}$$
  
Where:  $s = \frac{a+b+c}{2}$ 



**Description:** Given the radius(r) and height(h) of a cylinder, determine its volume.

Sample Input:

6

Sample Output:

Sample Input:

3 6

Sample Output:

Volume =  $Pi * r^2 * h$ 

**Description:** Given the radius(r) of a sphere, determine its volume.

[N.B. Print the answer up to two decimal points.]

Sample Input:

5

Sample Output:

Sample Input:

12

Sample Output:

Volume =(4/3) \* Pi \* r<sup>3</sup>

**Description:** Write a program that takes two numbers (a and b) as input and swaps those two numbers. Here,  $1 \le a,b \le 10^9$ 

## **Explanation**:

Suppose a =10, b=5

After performing the swap operation the values of a and b will be changed as follows

# Thank You





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