

C# Basic Laboratory Exercise

1. Write a C# Sharp program to print Hello and your name in a separate line.

Expected Output :

Hello: Atmiya Students

2. Write a C# Sharp program to print the sum of two numbers.

3. Write a C# Sharp program to print the result of dividing two numbers.

4. Write a C# Sharp program to print the result of the specified operations.

Test data:

- $-1 + 4 * 6$
- $(35 + 5) \% 7$
- $14 + -4 * 6 / 11$
- $2 + 15 / 6 * 1 - 7 \% 2$

Expected Output:

23

5

12

3

5. Write a C# Sharp program to swap two numbers.

Test Data:

Input the First Number : 5

Input the Second Number : 6

Expected Output:

After Swapping :

First Number : 6

Second Number : 5

6. Write a C# Sharp program to print the output of multiplication of three numbers which will be entered by the user.

Test Data:

Input the first number to multiply: 2

Input the second number to multiply: 3

Input the third number to multiply: 6

Expected Output:

$2 \times 3 \times 6 = 36$

7. Write a C# Sharp program to print on screen the output of adding, subtracting, multiplying and dividing of two numbers which will be entered by the user.

Test Data:

Input the first number: 25

Input the second number: 4

Expected Output:

$25 + 4 = 29$

$25 - 4 = 21$

$25 \times 4 = 100$

$25 / 4 = 6$

$25 \bmod 4 = 1$

8. Write a C# Sharp program that takes a number as input and print its multiplication table.

Test Data:

Enter the number: 5

Expected Output:

$5 * 0 = 0$

$5 * 1 = 5$

$5 * 2 = 10$

$5 * 3 = 15$

....

$5 * 10 = 50$

9. Write a C# Sharp program that takes four numbers as input to calculate and print the average.

Test Data:

Enter the First number: 10

Enter the Second number: 15

Enter the third number: 20

Enter the four number: 30

Expected Output:

The average of 10 , 15 , 20 , 30 is: 18

10. Write a C# Sharp program to that takes three numbers(x,y,z) as input and print the output of (x+y).z and x.y + y.z.

Test Data:

Enter first number - 5

Enter second number - 6

Enter third number - 7

Expected Output:

Result of specified numbers 5, 6 and 7, (x+y).z is 77 and x.y + y.z is 72