

Lab 1

1. Write a Java program to print the sum (addition), multiply, subtract, divide and remainder of two numbers , takes two numbers as input

Test Data:

Input first number: 125

Input second number: 24

Expected Output :

$125 + 24 = 149$

$125 - 24 = 101$

$125 \times 24 = 3000$

$125 / 24 = 5$

$125 \bmod 24 = 5$

2. Write a Java program that takes a number as input and prints its multiplication table up to 10.

Test Data:

Input a number: 8

Expected Output :

$8 \times 1 = 8$

$8 \times 2 = 16$

$8 \times 3 = 24$

...

$8 \times 10 = 80$

3. Write a Java program to print the area and perimeter of a circle.

Test Data:

Radius = 7.5

Expected Output

Perimeter is = 47.12388980384689

Area is = 176.71458676442586

4. Java program to find out the average of a set of integers

Enter the count of numbers:

5

Enter an integer:

3

Enter an integer:

8

Enter an integer:

6

Enter an integer:

7

Enter an integer:

2

The average is: 5.2

5. Write a Java program to calculate the sum of two integers and return true if the sum is equal to a third integer.

Sample Output:

Input the first number : 5
Input the second number: 10
Input the third number : 15
The result is: true

6. Write a Java program to reverse a word.

Sample Output:

Input a word: dsaf
Reverse word: fasd

7 - Java program to check whether the given number is even or odd

Enter a number:

33

The number is Odd

Enter a number:

24

The number is Even

8 - Java program to convert the temperature in Centigrade to Fahrenheit

Enter temperature in Centigrade:

43

Temperature in Fahrenheit is: 109.4