

```

// Using the Scanner class for Input
import java.util.*;
public class P1
{
    public static void main (String[] args) // end of line comment
    {

        // Step 1 - Declaring variables

        double numberA;
        double numberB;
        Scanner stdin = new Scanner(System.in);

        // Step 2 - (Input) Assigning values to variables

        System.out.println("Enter the 1st number "); // prompt the user for input
        numberA = Double.parseDouble (stdin.nextLine());

        System.out.println("Enter the 2nd number "); // prompt the user for input
        numberB = Double.parseDouble (stdin.nextLine());

        //Step 3 - Processing
        // prints out the calculations
        System.out.println("The sum of the two numbers is " + (numberA + numberB) );
        System.out.println("The difference of the two numbers is " + (numberA - numberB)
    );
        System.out.println("The product of the two numbers is " + (numberA * numberB) );
        System.out.println("The modulus of the two numbers is " + (numberA % numberB)
    );

    } // end main method
} // end class

```