

38. Write a Java program that reads an integer between 0 and 1000 and adds all the digits in the integer.

Test Data

Input an integer between 0 and 1000: 565

Expected Output :

The sum of all digits in 565 is 16

```
import java.util.Scanner;
public class Exercise38 {

    public static void main(String[] Strings) {

        Scanner scnr = new Scanner(System.in);

        System.out.print("Input an integer between 0 and 1000: ");
        int a = scnr.nextInt();

        int firstDigit = a % 10;
        int remainingNumber = a / 10;
        int SecondDigit = remainingNumber % 10;
        remainingNumber = remainingNumber / 10;
        int thirdDigit = remainingNumber % 10;
        remainingNumber = remainingNumber / 10;
        int fourthDigit = remainingNumber % 10;
        int sum = thirdDigit + SecondDigit + firstDigit + fourthDigit;
        System.out.println("The sum of all digits in " + a + " is " + sum);

    }
}
```