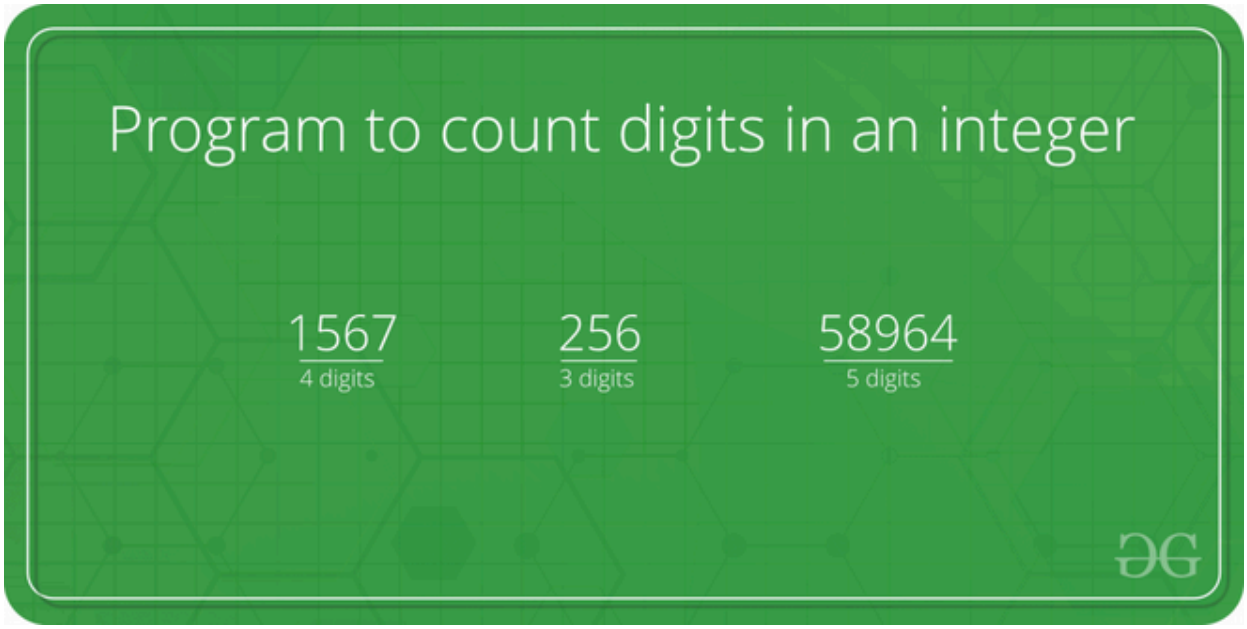
Count Digits in Java

Given a integer number n, the task is to return the count of digits in this number.

Example:



Simple Iterative Solution to count digits in an integer

The integer entered by the user is stored in the variable n. Then the while loop is iterated until the test expression n > 0 evaluates to 0 (false). We will consider 3456 as the input integer.

1. After the first iteration, the value of n will be updated to 345 and the count is incremented to 1.
2. After the second iteration, the value of n will be updated to 34 and the count is incremented to 2.
3. After the third iteration, the value of n will be updated to 3 and the count is incremented to 3.

4. In the fourth iteration, the value of n will be updated to zero and the count will be incremented to 4.
5. Then the test expression is evaluated (n > 0) as false and the loop terminates with final count as 4.

Below is the implementation of the above approach:

```
// JAVA Code to count number of

// digits in an integer

import java.io.*;



public class GfG {

    /* Driver code */

    public static void main(String[] args) {

        long n = 345289467;

        int count = 0;

        while (n > 0) {

            n = n / 10;

            ++count;

        }

        System.out.print("Number of digits : " + count);

    }

}
```

Output

```
Number of digits : 9
```