28. Write a Java method to count the number of digits in an integer with the value 2. The integer may be assumed to be non-negative.

Expected Output:

Input a number: 12541

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import java.util.Scanner;

public class Exercise28 {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Input a number: ");

int number = scanner.nextInt();

int count = countDigitTwo(number);

System.out.println(count);

scanner.close();

}

public static int countDigitTwo(int number) {

int count = 0;

while (number > 0) {

if (number % 10 == 2) {

count++;

}

number /= 10;

}

return count;

}

}