

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

1

```
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;
    }
}
```