# Programming Advanced for QA – Regular Exam 15 December 2024

Submit your zip file here: [link](https://judge.softuni.org/Contests/Practice/Index/5160#1)

# 2. Unit Test: Digits and Symbols Counter

Test a given method which **takes a string input representing a whole sentence** and **checks each character to count the number of even digits, odd digits, and non-digit symbols**:

* If a **character is a digit** and **is even (0, 2, 4, 6, 8)**, it is classified as **even digit**.
* If a **character is a digit** and **is odd (1, 3, 5, 7, 9)**, it is classified as **odd digit**.
* Any **non-digit characters (letters, punctuation, symbols, spaces, etc.)** are classified as **non-digit symbols**.

**IMPORTANT:** White spaces, punctuation, and all non-numeric characters will be counted as non-digit symbols.

### Examples

|  |  |
| --- | --- |
| **Argument** | **Returned dictionary** |
| (empty string) | (empty dictionary) |
| Hello World | non-digit symbol -> 11 times |
| 2468XYZ | even digit -> 4 times  non-digit symbols -> 3 times |
| QA is cool 579? | odd digit -> 3 times  non-digit symbols -> 12 times |
| 123abc! | even digit -> 1 time  odd digit -> 2 times  non-digit symbols -> 4 times |

The method is found in the DigitAndSymbolCounter.cs file:

Картина, която съдържа текст, екранна снимка, Шрифт, номер

Описанието е генерирано автоматично

You are given a **test** **file** DigitAndSymbolCounterTests.cs containing **5 empty tests**. Implement all tests:

Картина, която съдържа текст, екранна снимка, Шрифт, номер

Описанието е генерирано автоматично

**Note! You may need to test if result collection is equal to expected.**

When you are ready make sure your **tests run:**

**Картина, която съдържа текст, екранна снимка, Шрифт

Описанието е генерирано автоматично**

**IMPORTANT:** **DO NOT REMOVE OR CHANGE ANY NAMESPACES AND USINGS.**