**Lab: Functional Programming**

Problems for the ["C# Advanced" course @ Software University.](https://softuni.bg/trainings/3584/csharp-advanced-january-2022)

You can check your solutions in [Judge](https://judge.softuni.org/Contests/1472/Functional-Programming-Lab)

* **Sort Even Numbers**

Create a program that reads one line of **integers** separated by **", "**. Then prints the **even numbers** of that sequence **sorted** in **increasing** order.

**Examples**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| 4, 2, 1, 3, 5, 7, 1, 4, 2, 12 | 2, 2, 4, 4, 12 | 1, 3, 5 |  | 2, 4, 6 | 2, 4, 6 |

**Hint**

It is up to you what type of data structures you will use to solve this problem. Use a functional programming filter and sort the collection of numbers.

* **Sum Numbers**

Create a program that reads a line of **integers** separated by **", "**. Print on two lines the **count** of numbers and their **sum.**

**Examples**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 4, 2, 1, 3, 5, 7, 1, 4, 2, 12 | 10  41 |
| 2, 4, 6 | 3  12 |