# Exercises:

Problems for exercises and homework for the [“C++ Fundamentals” course @ SoftUni](https://softuni.bg/opencourses/cplusplus-fundamentals). Submit your solutions in the SoftUni judge system at <https://judge.softuni.bg/Contests/1379/String-and-Streams>

Write C++ code for solving the tasks on the following pages.

Please follow the exact instructions on uploading the solutions for each task.

**String and Streams**

Task 1 – Filter Strings

Write a program, use a function that for given string filters (“A-Z, “a-z”) and leaves only the numbers (0-9).

Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| hello123 | 123 |
| 123ThisIsTest | 123 |
| Hello045world | 045 |
| 1010 | 1010 |

Task 2 – Equal Strings

Write a program, use a bool function that for given 2 strings makes a comparison between them, if the strings are equal the function should return TRUE, on other way, if not the function should return FALSE.

Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Hello  Hello | Equal |
| Test123  123Test | Not Equal |

Task 3 – Comma Replacement

Write a program, use a function that for a given string, replace the comma with space.

Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| hello,world | hello world |
| this,is,a,test | this is a test |

Task 4 – Reverse String

Write a program, use a function that for a given string, gives a reverse.

Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| hello | olleh |
| 123456789 | 987654321 |
| test123 | 321tset |

Task 5 – Sum of Numbers in String

Write a program, use a function that for a given string, sums the numbers.

Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| hello123 | 6 |
| 122 | 5 |
| test005 | 5 |