# Lab: Stacks

## Reverse Strings

Write program that:

* **Reads** an **input string**
* **Reverses** it **using a** Stack<T>
* **Prints** the result back at the terminal

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
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### Hints

* Use a Stack<string>
* Use the methods **Push()**, **Pop()**

## Simple Calculator

**Create a simple calculator** that can **evaluate simple expressions** with only addition and subtraction. There will not be any parentheses.

Solve the problem **using a Stack**.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2 + 5 + 10 - 2 - 1 | 14 |
| 2 - 2 + 5 | 5 |

### Hints

* Use a **Stack<string>**
* You can either
  + add the elements and then Pop() them out
  + or Push() them and reverse the stack