

# SIMPLE CALCULATOR

## Ultimate C# Masterclass Assignment

### Overview

This application is a simple calculator. The user will input two numbers and the operation they want to perform (addition, subtraction, multiplication), and the program shall print the operation and the result.

Console App

### Main application workflow

When the application starts, it shall print:

Hello!

Input the first number:

Then, the user will input a number. For now, we **don't handle invalid input**. If the user inputs something that is not a number, we are OK with the fact that the application will crash.

Then, the program will print:

Input the second number:

And again, the user will enter the number.

Next, the program will ask:

What do you want to do with those numbers?

[A]dd

[S]ubtract

[M]ultiply

The app should handle the input according to the “**Selecting an option by the user**” table.

Next, the application should print “Press any key to close” and close after the key press.

## Selecting an option by the user

Scenario	User action	Result
Addition	User enters 'A' or 'a' into the console.	The application prints something like <b>5 + 10 = 15</b> to the console, assuming the first number was 5 and the second 10.
Subtraction	User enters 'S' or 's' into the console.	The application prints something like <b>5 - 10 = -5</b> to the console, assuming the first number was 5 and the second 10.
Multiplication	User enters 'M' or 'm' into the console.	The application prints something like <b>5 * 10 = 50</b> to the console, assuming the first number was 5 and the second 10.
Incorrect or empty input	User does not select any option (empty choice), or the selected option is not valid.	"Invalid option" is printed to the console.