C++ Advanced – Exam Retake (15 Mar 2020)

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

Code should compile under the C++11 standard.

Submit your solutions here: https://judge.softuni.bg/Contests/1813/CPlusPlus-Advanced-Exam-15-Mar-2020

Any code files that are part of the task are provided under the folder **Skeleton**.

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

Task 1 – String Concatenator

Your task is to write a program that concatenates (appends) two strings following a provided concatenation strategy.

An implementation for the StringConcatenator class must be provided.

Two string and a concatenation strategy will be read from the console. The possible strategies are listed in **Defines.h** header file.

```
enum class ConcatenateStrategy
{
     LEFT 1 RIGHT 1 = 0,
     LEFT 2 RIGHT 1 = 1,
     LEFT 1 RIGHT 2 = 2
};
```

- A LEFT 1 RIGHT 1 strategy would mean that in your result string you should take 1 letter from the left string, then 1 letter from the right string until the source left and right string are empty.
- A LEFT_2_RIGHT_1 strategy would mean that in your result string you should take 2 letter from the left string, then 1 letter from the right string until the source left and right string are empty.
- A LEFT 1 RIGHT 2 strategy would mean that in your result string you should take 1 letter from the left string, then 2 letter from the right string until the source left and right string are empty.

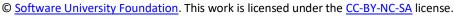
If in the process of concatenation one of the source left or right strings gets empty (or is empty to begin with) – you simply concatenate all the remaining characters from the other string.

Restrictions

You should only submit .h and .cpp files compressed in a .zip archive.

There should be no folders in your .zip archive.



















Examples

Input	Output
0 1234 abcd	1a2b3c4d
1 1234 abcd	12a34bcd
2	PieceOfCake
PieceOfCake	















