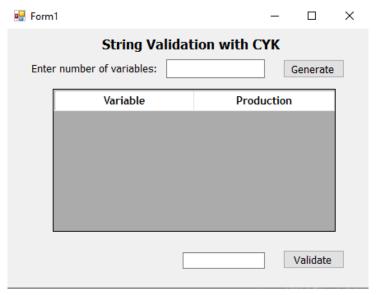
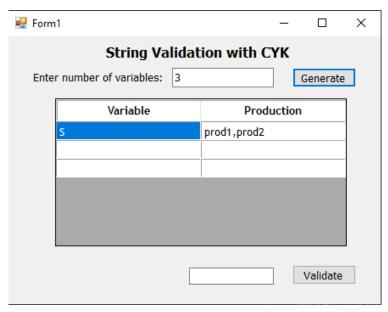
## **CFG-Verifier**

## Step by step guide:

- 1. Run the provided .exe file
- 2. The program is very simple, once you have executed the program the main window is displayed. In this window you can find all the necessary controls to create your own CFG and validate any text string.



3. Input the desired number of variables that your CFG is made of and click the "Generate" button.



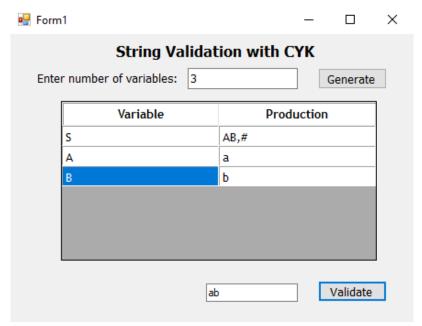
4. The table will load the necessary rows for you to create the CFG. Each row is divided into two columns, in the Variable column you must enter an unique

symbol representing the variable and in the Production column you must enter the production rules of the given variable separated by commas.

Note: To represent an empty production you can use the "#" character.

**Note 2:** The entered CFG must be in <u>Chomsky Normal Form(CNF)</u>.

5. Once you have entered your grammar in CNF, you can enter a text string in the text box ubicated in the bottom of the window and click the "Validate" button.



6. A pop-up will appear indicating if the text string is generated or not by the CFG.

