PRACTICAL EXERCISE
JFLAP SESSION 1

Construct the following Deterministic Finite Automata (DFA) using the JFLAP tool:

1. Given the alphabet {a,b,c}, construct a DFA to recognize strings with length equal to 4 of the universal language.

2. Given the alphabet {1,0}, construct a DFA to recognize the language of binary strings NOT containing the sequence "000".

3. An identifier in C language can be expressed as a letter whether followed by any number of letters and/or digits or not. Considering letter= {a,b,c} and digit = {0,1,2}, obtain and represent a DFA to detect any valid identifier.

For each one of the 3 DFAs, use the editor and the option **Input** > **Multiple Run** to include 5 words recognized by the designed DFA and 5 words non-recognized.

In addition, for each DFA you must include one or several explanatory notes on the created DFA - a DFA without notes will not be corrected! To include these notes use the button ⬉, click in the part of canvas where you want to include them, and select the option *Add Note*.