The program checks if a finite automaton is deterministic and can accept a sequence given as input.
The FiniteAutomaton class contains all methods for checking if the automaton is a DFA and if it accepts a string.

The input file, FA.in, should be written like the following EBNF code suggests:

```
-----------------------------------------------------------------------------------------------------------
letter = "a" | "b" | ... | "z" | "A" | "B" | ... | "Z"
digit = "0" | "1" | ... | "9"
symbol = digit | letter
state = letter , digit

set_of_states = "{" , state , {"," state} , "}"
alphabet = "{" , symbol , {"," symbol} , "}"
transition = "(" , state , "," , state , "," , symbol , ")"
transitions = "{" , transition , { "," transition } , "}"
set_of_final_states = set_of_states

finite_automata_file = set_of_states , alphabet , transitions , set_of_final_states
-----------------------------------------------------------------------------------------------------------
```

https://github.com/Calandrinon/Formal-Languages-And-Compilers/tree/master/Labs/Lab-5