

Course: SE312 Theory of Computing (Section: B)
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Lab 02

1. Write a program to implement a Deterministic Finite Automaton (DFA) to recognize a language L over the given alphabet Σ . For example, the language L consists of strings ending with 00. Your goal is to create a DFA that accepts strings belonging to the language L and rejects strings that do not satisfy this condition.

Your program should take the following inputs:

- a set of states, Q that your DFA consists of;
- the input symbols of the alphabet, Σ ;
- the transition function δ ;
- the start state;
- the final state;
- the input string.

Your program should print the following outputs:

- Accepted/ Rejected
- the path of transition for the input string