

Course: SE312 Theory of Computing (Section: B)
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Lab 03

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1. Write a program to implement a Nondeterministic Finite Automaton (NFA) to recognize a language L over the given alphabet Σ . For example, the language L consists of all and only the strings of 0's and 1's that end in 01. Your goal is to implement a NFA 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 NFA 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