18/10/21   Malavika R. V

                                                                    CS7 B

Expt No: 3   Roll No: 31

Aim: Write a program to convert NFA to DFA.

Algorithm:

1. Start

2. Read no. of alphabets, no-of states, start state, final State and the transitions.

3. Initial state of DFA will be the same as the initial state of the NFA.

4. Find transition function of initial state for all input alphabet result be new states of DFA.

5. From these new states, final transition function for all input alphabets by finding of transition each state of NFA and the result will be the next new state.

6. Continue step 5 till no more new states can be derived.

7. All states of the DFA that have the same final state of the NFA will also have final states.

8. Stop.

Result : Output Obtained successfully.