CS301 - Theory of Automata
Teacher - M. Shahzad

Assignment 01 Section D:

Write programs that simulate the given Languages

Note: The last date of submission is 25-March-2019

a. Σ = {0, 1}. Give a program of NFA with ε-transitions that recognizes the language generated by the following regular expression:

$$(0 + 01^*) (\varepsilon + 1)1(0 + 1)^*$$

b. Σ ={a, b}, L = {w ϵ Σ* | |w| mod 3 = 0}

Deliverables:

1. The source code of your program. You may use any programming language of your choice.
2. A short report containing the source code and image of the result for the different input string.

SUBMISSION RULES:

1. Submit the deliverables in the form of group (max. 3 members)
2. One report for each group.
3. Marks will be awarded on the basis of viva.

LATE SUBMISSION POLICY:

Your final assignment grade will be penalized 20 points per late day.

CHECK THE ANNOUNCEMENT IN SLATE REGULARLY FOR POSSIBLE UPDATES ON THE ASSIGNMENT.