

# BLM320 Term Project Report

## 1. What is this project about?

In this project, HTML and JavaScript used to make Regex to DFA converter for educational usage.

## 2. Technologies and development

Project designed by HTML and CSS and the converting made by JavaScript. Viz.js library makes the visualization. Project developed on Windows and Linux operating systems and written in Sublime Text editor.

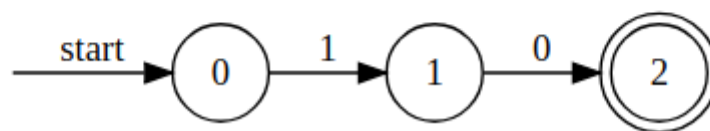
## 3. Source code

The story part made by HTML and the table made from DOM. This part gives information about the idea of project and what things do?

A demo value is in text area so the user can test the project faster. The CSS haven't used in this project but I will make the visualization better so I'll use CSS later. When you click the button the button triggers the code and it uses Lexical analysis to recognize what is written in the text area and parces to a DFA graphic. Viz.js library is used for visualization.

## 4. Screenshots

Insert the expression:

A screenshot of a web application's input field. It shows a rectangular box with a thin border. Inside the box, the text "(10)" is written in a blue, monospaced font. The box has a small cursor icon at the bottom right corner.

## 5. References

<http://shivankaul.com/blog/cstheory/compilers/2017/03/01/nfa-dfa-and-regexes.html>  
<http://hokein.github.io/Automata.js/>

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