

BLM320E FORMAL LANGUAGES AND AUTOMATA THEORY

TERM PROJECT REPORT

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PROJECT NAME: Regular Expressions

PROGRAMMING LANGUAGES: HTML, CSS ve Javascript

- This project is intended for training purposes to teach the subject of Regular Expressions.
- The implementation of the regex concept in Javascript language is shown in the project.
- In the project web page, there are Brackets, Metacharacters, Quantifiers, RegExp Object Properties and RegExp Object Methods topics.
- The rules found in Regex rule tables can be tested with the regex tester at the beginning of the web page.
- Patterns of the desired type can be created for regex tester use and these patterns can be applied to the desired type of expressions.

REFERENCES:

Emrah Tema: https://emrahtema.github.io/Automata/regexp/EmrahTema_Regexp.html

W3schools: https://www.w3schools.com/jsref/jsref_obj_regexp.asp

Lifewire: <https://www.lifewire.com/what-are-regular-expressions-4173889>

REGULAR EXPRESSIONS

Regex, or regular expressions, are a pattern matching markup that programmers use to search for certain patterns in text. Regular expressions can search for just about anything, depending on how you structure them; they're used all over by programmers because they're invaluable for helping computers sort through data quickly and filter out nonsense that could otherwise cause errors. Regular expressions tend to look scary, especially for non-programmers.

Just look at this: `[a-zA-Z0-9_+]+@[a-zA-Z0-9_+]+\.[a-zA-Z0-9_+]+`

Select an Example Pattern

Letter

Modify or Define Your RegExp

`[a-z]`

Input Your Test String

Bir iki üç dört beş altı

See Output

Bir iki üç dört beş altı