

RegEx



By Hunter Henrichsen

"Some people, when confronted with a problem, think "I know, I'll use regular expressions." Now they have two problems."

-Jamie Zawinski

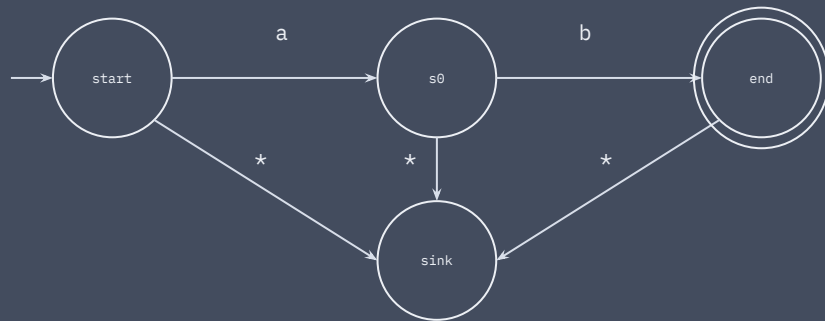
Basic Operations

- Concatenation
- Alternation
- Repetition

ab

Concatenation

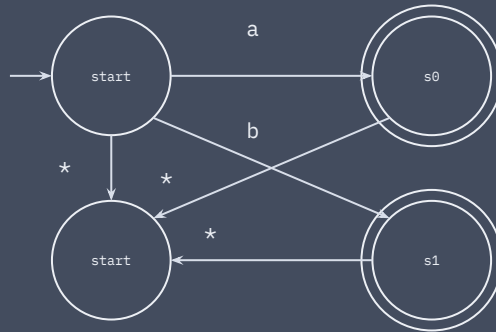
Matches characters in sequence



a | b

Alternation

Matches more than one character



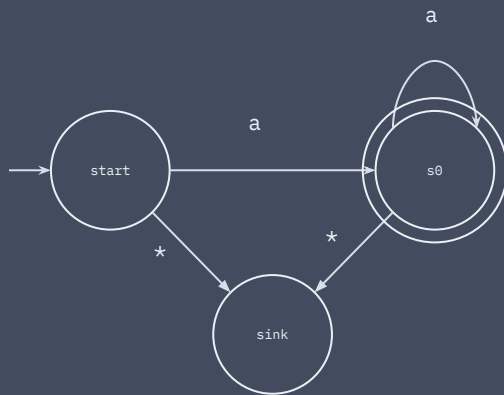
a*

a+

a?

Repetition

Matches something multiple times



Advanced Operations

- Character Classes
- Intervals
- Groups
- Lists

[abc]

a | b | c

Lists

Match one of the given characters

[^abc]

d|e|f|...

Negated Lists

Match anything but one of the given characters

`\w`

`[^\n\r]`

Character Classes

Common lists turned into shorthand

\w{5}

[^\\n\\r][^\\n\\r][^\\n\\r][^\\n\\r][^\\n\\r]

Intervals

Match something a specific number of times

\w{3,5}

[^\\n\\r][^\\n\\r][^\\n\\r][^\\n\\r]?[^\\n\\r]?

Intervals

Match something a specific number of times

(?:ab)

Non-Capturing Groups

Groups things together without giving them an index

(ab)

Capturing Groups

Groups things together and give them an index

Resources

- [Blog Post](#)
- [Email Regex](#)
- [Regexr](#)
- [The Infamous Math Regex](#)
- [The Infamous Math Regex Explanation](#)