Character classes

. any character except newline

 $\w \d \s$ word, digit, whitespace $\W \D \S$ not word, digit, whitespace

[abc] any of a, b, or c [^abc] not a, b, or c

[a-g] character between a & g

Anchors

^abc\$ start / end of the string

\b word boundary

Escaped characters

 $\u00A9$ unicode escaped ©

Groups & Lookaround

(abc) capture group

\1 backreference to group #1 (?:abc) non-capturing group (?=abc) positive lookahead (?!abc) negative lookahead

Quantifiers & Alternation

a* a+ a? 0 or more, 1 or more, 0 or 1 a{5} a{2,} exactly five, two or more between one & three a+? a{2,}? match as few as possible

ab|cd match ab or cd

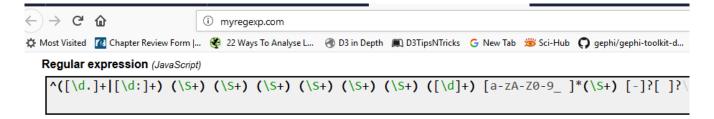
► Το Regural Expression ανοίγει το logfile του παραδείγματος:

^([\d.]+) (\S+) (\S+) (\S+) (\S+) (\S+) (\S+) ([\d]+) [a-zA-Z0-9_]*(\S+) [-]?[]?\[([\w:/]+\s[+\-]\d{4}\)] \"(.+?)\" (\d{3}) (\S+) ([\d]+) (\S+) "(.+?)\" "(.+?)\"

► Το Regural Expression "πιάνει" και IPv6 και IPv4 στην αρχή της κάθε γραμμής:

^([\d.]+|[\d:]+) (\S+) (\S+) (\S+) (\S+) (\S+) ([\d]+) [a-zA-Z0-9_]*(\S+) [-]?[]?\[([\w:/]+\s[+\-]\d{4}))] \"(.+?)\" (\d{3}) (\S+) ([\d]+) (\S+) "(.+?)\" "(.+?)\"

myregexp.com



Text to test

0:0:0:0:0:0:0:1 192.168.1.65 838 838 0:0:0:0:0:0:0:1 - GET 8080 ?action=delete&studentId=15 - [03/May/2016:21:55 127.0.0.1 192.168.1.65 838 838 127.0.0.1 - GET 8080 ?action=delete&studentId=15 - [03/May/2016:21:55:29 +0300] ". 127.0.0.1 192.168.1.65 838 838 127.0.0.1 - GET 8080 - [03/May/2016:21:55:41 +0300] "GET /CRUDProject/ HTTP/1.1"

Capture groups

- #0 0:0:0:0:0:0:1 192.168.1.65 838 838 0:0:0:0:0:0:0:1 GET 8080 ?action=delete&studentId=15 [03/May/2016
- #1 0:0:0:0:0:0:0:1
- **#2** 192.168.1.65
- #3 838
- #4 838
- #5 0:0:0:0:0:0:0:1
- #6 -
- **#7** GET
- 40 0000