RegEx List

|  |  |  |
| --- | --- | --- |
| [ ] | Matches any single character from within the bracketed list.  **[a-z]** represents an alphabetic character (in lower case).  **[A-Z]** represents an alphabetic character (in upper case).  **[:alpha:]** or **[A-Za-z]** represents an alphabetic character.  **[:digit:]** or **[0-9]** or **[\d]** represents a digit.  **[:alnum:]** or **[A-Za-z0-9]** represents an alphanumeric character. | b[aecro]d = { bad, bed, bcd, brd, bod }  b[aecro]d ≠ { bread, broad, bead, … } |
| [^ ] | Matches any single character except from within the bracketed list. | b[^aecro]d = { bud, bld, b0d, … }  b[^aecro]d ≠ { bad, bed, bcd, brd, bod } |
| ( ) | Groups one or more regular expressions. | b(rea)d = bread  b(rea)d ≠ { brd, bed, bad } |
| . | Matches a single character of any single character, except the end of a line (\n). | sh.rt = { shOrt, shirt, sh3rt, sh@rt, … } |
| + | Matches 1 or more characters in front of the plus (+). | co+l = { col, cool, coool, coooool, … }  cO+l = { cOl, cOOl, cOOOl, cOOOOOl, … } |
| ? | Matches 1 or 0 character in front of the question mark (?). | breads? = { bread, breads }  breads? ≠ { breadS, breadss, breadSS, breadses, … } |
| \* | Matches 0 or more characters in front of the asterisk (\*). | co\*l = { cl, col, cool, coool, coooool, … }  cO\*l = { cl, cOl, cOOl, cOOOl, cOOOOOl, … } |
| \*? |  |  |
| \ | Turns off the special meaning of the next character. | a\.b = a.b |
| \b | Matches a word boundary. | \bwater = watergun  \bwater ≠ cleanwater  water\b = cleanwater  water\b ≠ watergun |
| ^ | Matches a term if the term appears at the beginning of a paragraph or a line. | ^two = two apples have been eaten by ape  ^two ≠ ape has eaten two apples |
| $ | Matches a term if the term appears at the end of a paragraph or a line. | ape$ = two apples have been eaten by ape  ape$ ≠ ape has eaten two apples |
| \n | Represents a line break. |  |
| \d | Matches digits 0 to 9, equivalent to [0-9] or [:digit] |  |
| \D | Matches non-numeric character. |  |
| \w | Matches alphanumeric character or underscore, equivalent to [a-zA-Z0-9\_]. |  |
| \W | Matches non-alphnumeric character and not underscore. |  |
| \s |  |  |
| \S |  |  |
| {n} | Matches exactly n times of the preceding character. | go{2}gle = google |
| {n,m} | Matches minimum (n) and maximum (m) number of times of the preceding character. | go{2,4}gle = { google, gooogle, goooogle } |
| {n,} | Matches minimum number of times the preceding character. | go{2,}gle = { google, gooogle, gooooogle, …. } |
| | | Matches either the regular expression preceding it or the regular expression following it. | (cat|dog|bird) = dog  (cat|dog|bird) = cat  (cat|dog|bird) = bird  (cat|dog|bird) ≠ rat |
| ! | (Exclamation) do not matches the next character or regular expression. | the below regular expression matches the the characher q if the charachter after q is not a digit, it will matches the q in those strings of abdqk, quit, qeig, but not q2kd, sdkq8d.  q(?0-9]) |

Special Symbols List

|  |  |  |
| --- | --- | --- |
| # | Represents item index. | # = 1, 2, 3, 4, 5, …, 11, …  ## = 01, 02, 03, 04, 05, …, 11, …  ### = 001, 002, 003, 004, 005, …, 011, … |
| @ | Generate random single alphabet character (a-z, A-Z). | a, d, E, r, B, … |
| \a | Generate random single alphabet character in lower case (a-z). | a, d, r, g, … |
| \A | Generate random single alphabet character in upper case (A-Z). | A, D, R, G, … |
| \h | Represents the hour the item was created in 24-hour format, without the leading zero for single-digit hours. | 0, 1, 5, 12, 23 |
| \hh | Represents the hour the item was created in 24-hour format. | 00, 01, 05, 12, 23 |
| \m | Represents the minute the item was created, without the leading zero for single-digit minutes. | 0, 5, 20, 45, 59 |
| \mm | Represents the minute the item was created. | 00, 05, 20, 45, 59 |
| \s | Represents the second the item was created, without the leading zero for single-digit minutes. | 0, 5, 20, 45, 59 |
| \ss | Represents the second the item was created. | 00, 05, 20, 45, 59 |
| \d | Represents the day of the month the item was created, without the leading zero for single-digit minutes. | 1, 5, 12, 20, 31 |
| \dd | Represents the day of the month the item was created. | 01, 05, 12, 20, 31 |
| \ddd | Represents the abbreviated name of the day of the week the item was created. | Sun, Mon, Tue, Wed, Thu, Fri, Sat |
| \dddd | Represents the name of the day of the week the item was created. | Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday |
| \M | Represents the month the item was created, without the leading zero for single-digit minutes. | 1, 5, 7, 12 |
| \MM | Represents the month the item was created. | 01, 05, 07, 12 |
| \MMM | Represents the abbreviated name of the month the item was created. | Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec |
| \MMMM | Represents the name of the month the item was created. | January, February, March, April, May, June, July, August, September, October, November, December |
| \yy | Represents the last two digits of the year the item was created. | 00, 05, 12, 22 |
| \yyyy | Represents the four digits of the year the item was created. | 2000, 2005, 2012, 2022 |
| \ | Turns off the special meaning of the next character. | any@file# |

![Shape

Description automatically generated with medium confidence