/Regex/

Regex is used to search for patterns like email ids, URLs, phone numbers in a string.

Charecters

\d: Digit (0 - 9)
\w: Letter, Digit, Underscore
\s: White-space(tabs, spaces)
\D: Any character that's not **\d**
\W: Any character that's not **\w**
\S: Any character that's not **\s**

Anchors

^: Starting With
^abc: Starting with **abc**
$: Ending with
abc$: Ending with **abc**

Quantifiers

+: Once or more
*: Zero or more
?: Zero or one time
{2}: Twice
{2, 4}: Two to Four Times

Range and Or

[5-7]: 5 or **6** or **7**
[a-c]: a or **b** or **c**
(b|c): b or **c**

Whitespace

\t: Tab
\r: Carriage Return
\n: Line Feed
\v: Vertical tab

Flags

g (global): Does not return after the first match
m (multi-line): When enabled **^** and **$** will match the start and end of a line, instead of the whole string
i (insensitive): Makes the whole expression case-insensitive

Examples

^a\d\d\d: Starting with **a** and followed by 3 digits: **a231**

\w*\s\w*: A word followed by space then another word: **Java Script**

(\d|K|Q|J)(♠|♣|❤|♦): Playing Card: **6❤**