

/Regex/

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

● Anchors

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

● Range and Or

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

● 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

● 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

● Quantifiers

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

● Whitespace

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

● 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♥**