Regular Expression:

**Character Classes:**

A character class always matches a single character out of a list of specified characters that means the expression [abc] matches only a, b or c character.

Negated character classes can also be defined that match any character except those contained within the brackets. A negated character class is defined by placing a caret (^) symbol immediately after the opening bracket, like this [^abc]

**Predefined Character Classes:**

|  |  |
| --- | --- |
| . | Matches any single character except newline \n. |
| \d | matches any digit character. Same as [0-9] |
| \D | Matches any non-digit character. Same as [^0-9] |
| \s | Matches any whitespace character (space, tab, newline or carriage return character). Same as [ \t\n\r] |
| \S | Matches any non-whitespace character. Same as [^ \t\n\r] |
| \w | Matches any word character (definned as a to z, A to Z,0 to 9, and the underscore). Same as [a-zA-Z\_0-9] |
| \W | Matches any non-word character. Same as [^a-zA-Z\_0-9] |