

Regular expressions in JavaScript**Syntax**

/pattern/modifiers;

Example explained:

/w3schools/i is a regular expression.

w3schools is a pattern (to be used in a search).

i is a modifier (modifies the search to be case-insensitive).

Modifiers

Modifiers are used to perform case-insensitive and global searches:

Modifier	Description
i	Perform case-insensitive matching
g	Perform a global match (find all matches rather than stopping after the first match)
m	Perform multiline matching

Brackets

Brackets are used to find a range of characters:

Expression Description

[abc] Find any character between the brackets

[^abc] Find any character NOT between the brackets

[0-9] Find any character between the brackets (any digit)

[^0-9] Find any character NOT between the brackets (any non-digit)

(x|y) Find any of the alternatives specified

Quantifiers

Quantifier Description

n+ Matches any string that contains at least one n

n* Matches any string that contains zero or more occurrences of n

n? Matches any string that contains zero or one occurrences of n

n{X} Matches any string that contains a sequence of X n's

n{X,Y} Matches any string that contains a sequence of X to Y n's

n{X,} Matches any string that contains a sequence of at least X n's

n\$ Matches any string with n at the end of it

^n Matches any string with n at the beginning of it

?=n Matches any string that is followed by a specific string n

?!n Matches any string that is not followed by a specific string n

❑ string.replace(regex, "text")

❑ replaces the first occurrence of given pattern with the given text

❑ var str = "Abdul Rahman";

str.replace(/[a-z]/, "a") returns " Aadul Rahman"

❑ a g can be placed after the regex for a global match (replace all occurrences)

❑ str.replace(/[a-z]/g, "x") returns "Axxxx Rxxxx"