

JS Basic

JS HOME

JS Introduction

JS How To

JS Where To

JS Statements

JS Comments

JS Variables

JS Operators

JS Comparisons

JS If...Else

JS Switch

JS Popup Boxes

JS Functions

JS For Loop

JS While Loop

JS Break Loops

JS For...In

JS Events

JS Try...Catch

JS Throw

JS Special Text

JS Guidelines

JS Objects

JS Objects Intro

JS String

JS Date

JS Array

JS Boolean

JS Math

JS RegExp

JS Advanced

JS Browser

JS Cookies

JS Validation

JS Timing

JS Create Object

JS Summary

JS Examples

JS Examples

JS Objects Examples

JS Browser Examples

JS DOM Examples

JS Quiz

JS Certificate

JS References

JavaScript Objects

HTML DOM Objects

JavaScript RegExp Object

« Previous

Next Chapter »

RegExp, is short for regular expression.

Complete RegExp Object Reference

For a complete reference of all the properties and methods that can be used with the RegExp object, go to our [complete RegExp object reference](#).

The reference contains a brief description and examples of use for each property and method!

What is RegExp?

A regular expression is an object that describes a pattern of characters.

When you search in a text, you can use a pattern to describe what you are searching for.

A simple pattern can be one single character.

A more complicated pattern can consist of more characters, and can be used for parsing, format checking, substitution and more.

Regular expressions are used to perform powerful pattern-matching and "search-and-replace" functions on text.

Syntax

```
var patt=new RegExp(pattern,modifiers);

or more simply:

var patt=/pattern/modifiers;
```

- pattern specifies the pattern of an expression
- modifiers specify if a search should be global, case-sensitive, etc.

RegExp Modifiers

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

The i modifier is used to perform case-insensitive matching.

The g modifier is used to perform a global match (find all matches rather than stopping after the first match).

Example 1

Do a case-insensitive search for "w3schools" in a string:

```
var str="Visit W3Schools";
var patt1=/w3schools/i;
```

The **marked** text below shows where the expression gets a match:

Visit **W3Schools**

Try it yourself »

Example 2

Do a global search for "is":

```
var str="Is this all there is?";
var patt1=/is/g;
```

The **marked** text below shows where the expression gets a match:

Is **this** all there **is**?

Try it yourself »

Example 3

Do a global, case-insensitive search for "is":

```
var str="Is this all there is?";
var patt1=/is/gi;
```

The **marked** text below shows where the expression gets a match:

Is **this** all there **is**?

Try it yourself »

test()

The test() method searches a string for a specified value, and returns true or false, depending on the result.

The following example searches a string for the character "e":

Example

```
var patt1=new RegExp("e");
document.write(patt1.test("The best things in life are free"));
```

Since there is an "e" in the string, the output of the code above will be:

true

Try it yourself »

exec()

The exec() method searches a string for a specified value, and returns the text of the found value. If no match is found, it returns *null*.

The following example searches a string for the character "e":

Example 1

```
var patt1=new RegExp("e");
document.write(patt1.exec("The best things in life are free"));
```

Since there is an "e" in the string, the output of the code above will be:

e

Try it yourself »

« Previous

Next Chapter »

WEB HOSTING

Best Web Hosting

PHP MySQL Hosting

Best Hosting Coupons

UK Reseller Hosting

Cloud Hosting

Top Web Hosting

\$7.95/mo SEO Hosting

WEB BUILDING

Download XML Editor

FREE Website BUILDER

Free Website Templates

Free WordPress Themes

XML Editor « try me!

W3SCHOOLS EXAMS

Get Certified in:

HTML, CSS, JavaScript,

XML, PHP, and ASP

W3SCHOOLS BOOKS

New Books:

HTML, CSS

JavaScript, and Ajax

STATISTICS

Browser Statistics

Browser OS

Browser Display

SHARE THIS PAGE

Share with »