

# JAVASCRIPT - REGEXP LASTINDEX PROPERTY

## Description

**lastIndex** a read/write property of RegExp objects. For regular expressions with the "g" attribute set, it contains an integer that specifies the character position immediately following the last match found by the **RegExp.exec** and **RegExp.test** methods. These methods use this property as the starting point for the next search they conduct.

This property allows you to call those methods repeatedly, to loop through all matches in a string and works only if the "g" modifier is set.

This property is read/write, so you can set it at any time to specify where in the target string, the next search should begin. **exec** and **test** automatically reset the **lastIndex** to 0 when they fail to find a match *or another match*.

## Syntax

Its syntax is as follows –

```
RegExpObject.lastIndex
```

## Return Value

Returns an integer that specifies the character position immediately following the last match.

## Example

Try the following example program.

```
<html>
  <head>
    <title>JavaScript RegExp lastIndex Property</title>
  </head>

  <body>

    <script type="text/javascript">
      var str = "Javascript is an interesting scripting language";
      var re = new RegExp( "script", "g" );

      re.test(str);
      document.write("Test 1 - Current Index: " + re.lastIndex);

      re.test(str);
      document.write("<br />Test 2 - Current Index: " + re.lastIndex);
    </script>

  </body>
</html>
```

## Output

```
Test 1 - Current Index: 10
Test 2 - Current Index: 25
```