

JAVASCRIPT NUMBER - TOEXPONENTIAL

http://www.tutorialspoint.com/javascript/number_toexponential.htm

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Description

This method returns a string representing the **number** object in exponential notation.

Syntax

Its syntax is as follows –

```
number.toExponential( [fractionDigits] )
```

Parameter Details

fractionDigits – An integer specifying the number of digits after the decimal point. Defaults to as many digits as necessary to specify the number.

Return Value

A string representing a Number object in exponential notation with one digit before the decimal point, rounded to **fractionDigits** digits after the decimal point. If the **fractionDigits** argument is omitted, the number of digits after the decimal point defaults to the number of digits necessary to represent the value uniquely.

Example

Try the following example.

```
<html>
  <head>
    <title>Javascript Method toExponential()</title>
  </head>

  <body>
    <script type="text/javascript">
      var num=77.1234;
      var val = num.toExponential();
      document.write("num.toExponential() is : " + val );
      document.write("<br />");

      val = num.toExponential(4);
      document.write("num.toExponential(4) is : " + val );
      document.write("<br />");

      val = num.toExponential(2);
      document.write("num.toExponential(2) is : " + val);
      document.write("<br />");

      val = 77.1234.toExponential();
      document.write("77.1234.toExponential()is : " + val );
      document.write("<br />");

      val = 77.1234.toExponential();
      document.write("77 .toExponential() is : " + val);
    </script>

  </body>
</html>
```

Output

```
num.toExponential() is : 7.71234e+1  
num.toExponential(4) is : 7.7123e+1  
num.toExponential(2) is : 7.71e+1  
77.1234.toExponential()is:7.71234e+1  
77.toExponential() is : 7.71234e+1
```

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