

JAVASCRIPT - ARRAY LASTINDEXOF METHOD

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

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Description

JavaScript array **lastIndexOf** method returns the last index at which a given element can be found in the array, or -1 if it is not present. The array is searched backwards, starting at **fromIndex**.

Syntax

Its syntax is as follows –

```
array.lastIndexOf(searchElement[, fromIndex]);
```

Parameter Details

- **searchElement** – Element to locate in the array.
- **fromIndex** – The index at which to start searching backwards. Defaults to the array's length, i.e., the whole array will be searched. If the index is greater than or equal to the length of the array, the whole array will be searched. If negative, it is taken as the offset from the end of the array.

Return Value

Returns the index of the found element from the last.

Compatibility

This method is a JavaScript extension to the ECMA-262 standard; as such it may not be present in other implementations of the standard. To make it work, you need to add the following code at the top of your script.

```
if (!Array.prototype.lastIndexOf)
{
    Array.prototype.lastIndexOf = function(elt /*, from*/)
    {
        var len = this.length;
        var from = Number(arguments[1]);

        if (isNaN(from))
        {
            from = len - 1;
        }
        else
        {
            from = (from < 0)
                ? Math.ceil(from)
                : Math.floor(from);

            if (from < 0)
                from += len;

            else if (from >= len)
                from = len - 1;
        }

        for (; from > -1; from--)
        {
            if (from in this &&
                this[from] === elt)
                return from;
        }
    }
}
```

```
    return -1;
  };
}
```

Example

Try the following example.

```
<html>
  <head>
    <title>JavaScript Array lastIndexOf Method</title>
  </head>

  <body>

    <script type="text/javascript">
      if (!Array.prototype.lastIndexOf)
      {
        Array.prototype.lastIndexOf = function(elt /*, from*/)
        {
          var len = this.length;
          var from = Number(arguments[1]);

          if (isNaN(from))
          {
            from = len - 1;
          }
          else
          {
            from = (from < 0)
              ? Math.ceil(from)
              : Math.floor(from);

            if (from < 0)
              from += len;

            else if (from >= len)
              from = len - 1;
          }
          for (; from > -1; from--)
          {
            if (from in this &&
              this[from] === elt)
              return from;
          }
          return -1;
        };
      }

      var index = [12, 5, 8, 130, 44].lastIndexOf(8);
      document.write("index is : " + index );

      var index = [12, 5, 8, 130, 44, 5].lastIndexOf(5);
      document.write("<br />index is : " + index );
    </script>
  </body>
</html>
```

Output

```
index is : 2
index is : 5
```

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