

Usage: query()

Use `query` to select one or more DOM elements based on a simple selector string. The `query` method is used to return *all* nodes that match your criteria unless the `firstOnly` arg is true.

```
var matchingNodes = YAHOO.util.Selector.query("ul li a", "itemList");
```

Note: Will return all anchor elements within list-items of unordered lists who are descendants of the element whose id attribute is "itemList".

Usage: YAHOO.util.Selector.query()

```
YAHOO.util.Selector.query(string selector[, node | string startingNode, bool firstOnly])
```

Arguments:

- selector:** A string representing the CSS selector you want to target.
- startingNode:** The node at which to begin the search (defaults to *document*). Be as specific as possible in choosing your startingNode to maximize performance.
- firstOnly:** Whether or not to return only the first match.

Returns:

- Matching Node(s):** An array of nodes that match your selector criteria. If `firstOnly` is true, this returns a single node or null if no match.

Usage: YAHOO.util.Selector.filter()

```
YAHOO.util.Selector.filter(arr | nodeset nodes, string selector)
```

Arguments:

- nodes:** A nodeList or an array of nodes from which you want to select specific nodes that match your criteria.
- selector:** A CSS selector against which you want to test and filter the *nodes*.

Usage: YAHOO.util.Selector.test()

```
YAHOO.util.Selector.test(str | elRef node, string selector)
```

Arguments:

- node:** A node to test
- selector:** A CSS selector against which you want to test the *node*.

Note: returns `true` if the *node* matches the *selector*, otherwise `false`.

Pseudo-classes

The Selector Utility supports the use of the pseudo-classes listed here; for more info on these, see the W3C Selectors working draft (<http://www.w3.org/TR/css3-selectors/#pseudo-classes>).

| Pseudo-class | Description |
|-------------------------|---|
| :root | The root of the document; in HTML 4.x, this is the HTML element. |
| :nth-child(an+b) | Starting from the <i>b</i> th child, match every <i>a</i> th element. |
| :nth-last-child(an+b) | An element that has <i>a</i> n + <i>b</i> siblings after it. |
| :nth-of-type(an+b) | An element that has <i>a</i> n + <i>b</i> siblings before it that share the same element name. |
| :nth-last-of-type(an+b) | An element that has <i>a</i> n + <i>b</i> siblings after it that share the same element name. |
| :first-child | Same as :nth-child(1) — the first child of a given element. |
| :last-child | Same as :nth-last-child(1) — the last child of a given element. |
| :first-of-type | Same as :nth-of-type(1) — the first child of a given element with a given element name. |
| :last-of-type | Same as :nth-last-of-type(1) — the last child of a given type of the specified element. |
| :only-child | An element who is the only child of its parent node. |
| :only-of-type | An element whose element name is not shared by any sibling nodes. |
| :empty | An element that has no children. |
| :not() | The negation pseudo-class; takes a simple selector as an argument, representing an element not represented by the argument. |
| :contains() | An element whose textual contents contain the substring provided in the argument. |
| :checked | A radio button or checkbox that is in a checked state. |

Notes regarding (an+b) notation:
Starting from the *b*th child, match every *a*th element. For example, "nth-child(2n+1)" starts from the first element and returns every other element. The "odd" and "even" keywords are supported, so "2n+1" is equivalent to "odd". "1n+2" and "n+2" are equivalent. "nth-child(0n+3)" is equivalent to "nth-child(3)". Zero value means no repeat matching, thus only the first *b*th element is matched. "3n+0" is equivalent to "3n".

Attribute Operators

| att=val | equality | att^=val | value starts with val |
|----------|---|----------|---|
| att!=val | inequality | att\$val | value ends with val |
| att~val | value matches one of space-delimited words in val | att*=val | value contains at least one occurrence of val |
| att val | value starts with val or val- | att | test for the existence of the attribute |

Solutions

```
Selector.query("#nav ul:first-of-type > li:not(.selected)"); //
Starting from the first "ul" inside of "nav", return all "li"
elements that do not have the "selected" class.

Selector.query("ul:first-of-type > li.selected", "nav", true); //
Starting from the first "ul" inside of "nav", return the first
"li" element that has the "selected" class.

Dom.addClass(Selector.query("#data tr:nth-child(odd)"), "odd" ) //
add the class "odd" to all odd rows within the "data" element.
```

YAHOO.util.Selector Methods

query(string selector[, node | string startingNode, bool firstOnly]) the startingNode can be passed in as a string element ID or as an element reference and defaults to the document element; returns an array of matching nodes

filter(arr | nodeList nodes, string selector) returns any nodes that match the selector

test(str | elRef node, string selector) returns boolean indicating whether the node matches the selector criteria

Combinators

The Selector Utility supports the following four combinators:

| | |
|-----|---|
| " " | Descendant Combinator: "A B" represents an element B that has A as an ancestor. |
| > | Child Combinator: "A > B" represents an element B whose parent node is A. |
| + | Direct Adjacent Combinator: "A + B" represents an element B immediately following a sibling element A. |
| ~ | Indirect Adjacent Combinator: "A ~ B" represents an element B following (not necessarily immediately following) a sibling element A. |

Dependencies

The Selector Utility requires only the YAHOO Global Object.