

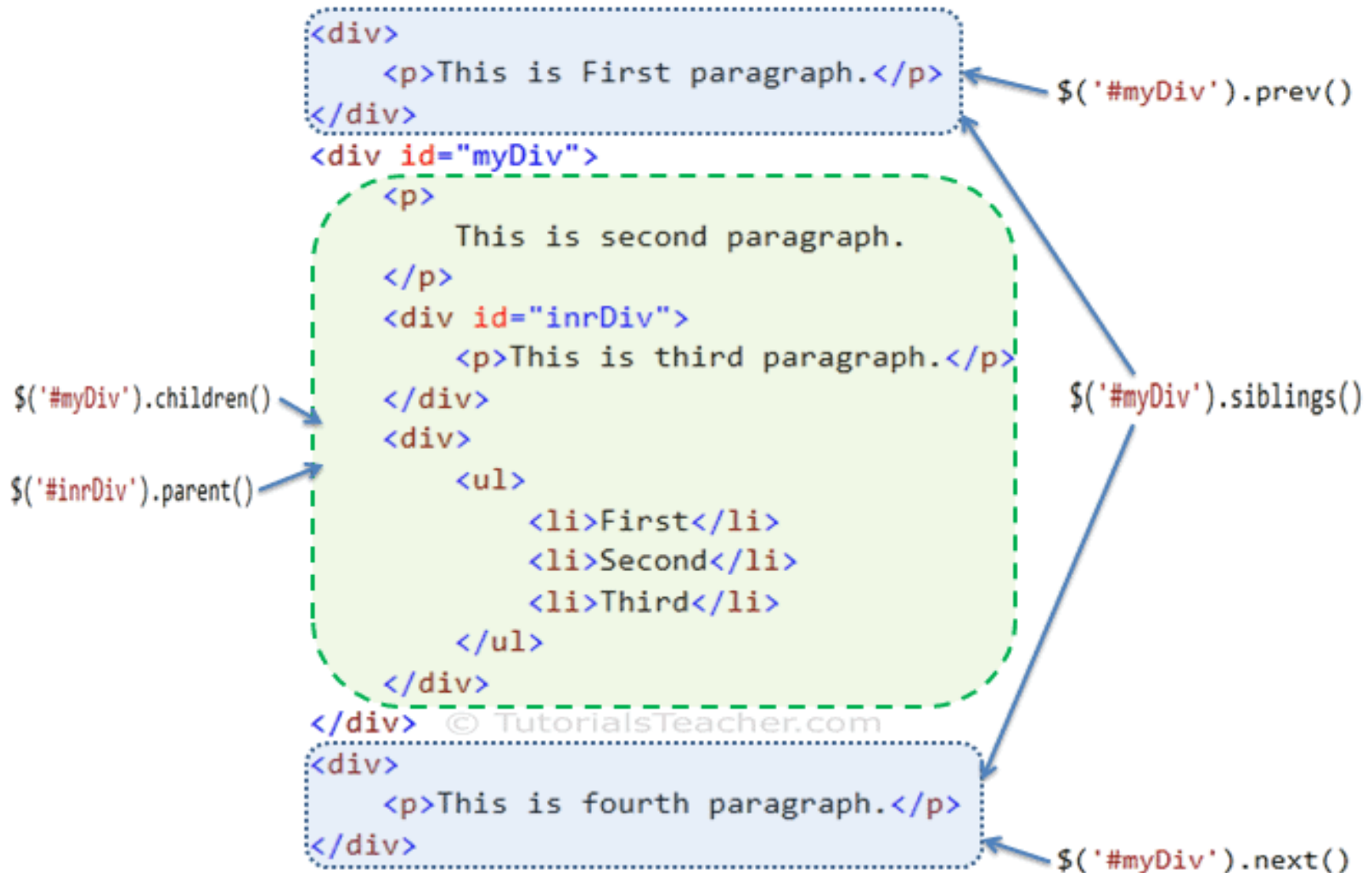
# Traversing DOM Elements using jQuery

- The jQuery library includes various methods to traverse DOM elements in a DOM hierarchy.

jQuery methods for traversing DOM elements.

jQuery Methods	Description
children()	Get all the child elements of the specified element(s)
each()	Iterate over specified elements and execute specified call back function for each element.
find()	Get all the specified child elements of each specified element(s).
first()	Get the first occurrence of the specified element.
next()	Get the immediately following sibling of the specified element.
parent()	Get the parent of the specified element(s).
prev()	Get the immediately preceding sibling of the specified element.
siblings()	Get the siblings of each specified element(s)

jQuery traversing methods get DOM elements.



# jQuery each() Method

The jQuery each() method iterates over each specified element (specified using selector) and executes callback function for each element.

## Syntax:

**`$('selector expression').each(callback function);`**

Example: jQuery each() method

```
$('p').each(function (index) {  
    alert('index' + index + ', text: ' + $(this).text());  
});
```

```
<div>  
    <p>This is First paragraph.</p>  
</div>  
<div id="myDiv">  
    <p>This is second paragraph.</p>  
    <div id="inrDiv">  
        <p>This is third paragraph.</p>  
    </div>  
    <div>  
        <ul>  
            <li>First</li>  
            <li>Second</li>  
            <li>Third</li>  
        </ul>  
    </div>  
</div>  
<div>  
    <p>This is fourth paragraph.</p>  
</div>
```

# jQuery children() Method

The jQuery children() method get the child element of each element specified using selector expression.

Syntax:

```
$('#selector expression').children();
```

## Example: jQuery children() method

```
$('#myDiv').children().each(function (index) {  
    alert('Index: ' + index + ', html: ' + $(this).html());  
});
```

```
<div>  
  <p>This is First paragraph.</p>  
</div>  
<div id="myDiv">  
  <p>  
    This is second paragraph.  
  </p>  
  <div id="inrDiv">  
    <p>This is third paragraph.</p>  
  </div>  
  <div>  
    <ul>  
      <li>First</li>  
      <li>Second</li>  
      <li>Third</li>  
    </ul>  
  </div>  
</div>  
<div>  
  <p>This is fourth paragraph.</p>  
</div>
```

# jQuery find() Method

The jQuery find() method returns all the matching child elements of specified element(s)

## Syntax:

**`$('selector expression').find('selector expression to find child elements');`**

## Example: jQuery find() method

```
$('#myDiv').find('p').each(function(index){  
    alert('index' + index + ', text: ' + $(this).text());  
});
```

```
<div>  
    <p>This is First paragraph.</p>  
</div>  
<div id="myDiv">  
    <p>  
        This is second paragraph.  
    </p>  
    <div id="inrDiv">  
        <p>This is third paragraph.</p>  
    </div>  
    <div>  
        <ul>  
            <li>First</li>  
            <li>Second</li>  
            <li>Third</li>  
        </ul>  
    </div>  
</div>  
<div>  
    <p>This is fourth paragraph.</p>  
</div>
```

# jQuery next() Method

The jQuery next() method gets the immediately following sibling of the specified element.

## Syntax:

**`$('selector expression').next();`**

Example: jQuery next() method

```
alert('Next element to #myDiv: ' + $('#myDiv').next().html());  
alert('Next element to #inrDiv: ' + $('#inrDiv').next().html());
```

```
<div>  
  <p>This is First paragraph.</p>  
</div>  
<div id="myDiv">  
  <p>This is second paragraph.</p>  
  <div id="inrDiv">  
    <p>This is third paragraph.</p>  
  </div>  
  <div>  
    <ul>  
      <li>First</li>  
      <li>Second</li>  
      <li>Third</li>  
    </ul>  
  </div>  
</div>  
<div>  
  <p>This is fourth paragraph.</p>  
</div>
```

# jQuery parent() Method

The jQuery parent() method gets the immediate parent element of the specified element.

## Syntax:

**`$('selector expression').parent();`**

## Example: jQuery parent() method

```
alert('Parent element of #inrDiv: ' + $('#inrDiv').parent().html());
```

```
<div>
  <p>This is First paragraph.</p>
</div>
<div id="myDiv">
  <p>
    This is second paragraph.
  </p>
  <div id="inrDiv">
    <p>This is third paragraph.</p>
  </div>
  <div>
    <ul>
      <li>First</li>
      <li>Second</li>
      <li>Third</li>
    </ul>
  </div>
</div>
<div>
  <p>This is fourth paragraph.</p>
</div>
```

## jQuery siblings() Method

The jQuery siblings() method gets all siblings of the specified DOM element(s).

### Syntax:

**`$('selector expression').siblings();`**

Example: jQuery siblings() method

```
$('#myDiv').siblings().css({"color": "green", "border": "2px solid green"});
```

```
<div>
  <p>This is First paragraph.</p>
</div>
<div id="myDiv">
  <p>
    This is myDiv.
  </div>
<div>
  <p>This is second paragraph.</p>
</div>
```