[ZANG] - [Chuanjie]

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1. **Write a sample code that might be used to set both the value and the class attributes of an <input> element.**

use the .val() method to set the value and .attr() or .addClass() to set the class.

$("input").val("input value").addClass("new-class");

**2. If you want to set the href attribute for an <a> element to**

**www.example.com using jQuery, what might the JavaScript look like?**

use the .attr() method to set the href attribute.

$("a").attr("href", "http://www.example.com");

**3. What jQuery method is used to completely remove attributes from**

**elements?**

The .removeAttr() method is used to remove an attribute from an element. Example:

$("selector").removeAttr("attributeName");

**4. What jQuery method would you use to determine whether a class**

**name is present for an element?**

use the .hasClass() method to check if an element has a specific class.

if ($("selector").hasClass("className")) {

// Element has the class

}

**5. If an element contains HTM content and you retrieve the content of that element using jQuery's text() method, will the HTML tags be**

**present in the returned value?**

No, the .text() method returns only the text content, without any HTML tags.

1. **If you set an element's content using jQuery's text() method and that content contains HTML tags, will the HTML tags be visible in the rendered output displayed in your browser's viewport?**

Yes, the HTML tags will be displayed as plain text, not rendered as HTML.

1. **Describe one bug that jQuery's append() and prepend() methods work around in IE when compared to innerHTML.**

In Internet Explorer, using innerHTML can cause form elements (like <input>) to behave unexpectedly, while .append() and .prepend() methods avoid this issue.

1. **Describe one bug that jQuery's append() and prepend() methods work around in Firefox when compared to innerHTML.**

In Firefox, using innerHTML can cause problems with certain nested structures (such as <tbody>, <tr>, etc.), but .append() and .prepend() handle these structures properly.

1. **If you want to insert existing content within a document before other existing content within a document, what jQuery method might be best suited for this task?**

use the .before() method to insert content before the selected element.

$("selector").before("<p>Inserted content</p>");

1. **What jQuery method would you use if you want to completely remove an item and all its children from your document?**

use the .remove() method, which removes the selected element and all its child elements.

$("selector").remove();

**11.jQuery's replaceWith() method is most similar to what de facto**

**standard JavaScript property?**

The .replaceWith() method is most similar to the JavaScript replaceChild() method.

1. **What jQuery function call would you make if you want to duplicate an element and its event handlers and insert the duplicate element elsewhere in the document?**

use the .clone(true) method, where true indicates that event handlers should also be cloned.

$("selector").clone(true).appendTo("target location");