

Position and Offset Method in jQuery

jQuery position() Method

The position() method returns the position (relative to its parent element) of the first matched element.

This method returns an object with 2 properties; the top and left positions in pixels.

Example

Return the top and left position of a <p> element:

```
$("#button").click(function(){  
    var x = $("#p").position();  
    alert("Top: " + x.top + " Left: " + x.left);  
});
```

jQuery offset() Method

The offset() method set or returns the offset coordinates for the selected elements, relative to the document.

When used to return the offset:

This method returns the offset coordinates of the FIRST matched element. It returns an object with 2 properties; the top and left positions in pixels.

When used to set the offset:

This method sets the offset coordinates of ALL matched elements.

Example

Return the offset coordinates of a <p> element:

```
$("#button").click(function(){  
    var x = $("#p").offset();
```

```
    alert("Top: " + x.top + " Left: " + x.left);  
});
```

Source Code:

```
<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
    <meta charset="UTF-8">  
    <meta http-equiv="X-UA-Compatible" content="IE=edge">  
    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
    <title>Position and Offset Method in jQuery</title>  
    <style>  
        .box {  
            width: 300px;  
            height: 300px;  
        }  
  
        #test1 {  
            background-color: aqua;  
            border: 2px solid black;  
            overflow: auto;  
            padding: 10px 10px;  
            border: 1px solid black;  
            margin: 10px 10px;  
        }  
  
        #box {  
            background-color: red;  
        }  
    </style>  
    <script src="jquery-3.7.1.min.js"></script>  
</head>  
  
<body>  
  
    <h1>Position and Offset Method in jQuery</h1>  
    <div class="box" id="test1">  
  
        <h1>Position and Offset Method in jQuery</h1>
```

```

    <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Esse quia
    quasi expedita fssimus eum dolor. Iure adipisci voluptates esse cupiditate sunt
    nostrum! .
    </p>

</div>

<button id="btnPosition">Position</button>
<button id="btnOffset">Offset</button>

<script>
    $(document).ready(function() {
        $('#btnPosition').click(function(){
            console.log("The position is "+      $('#test1 h1').position());

            let x=$('#test1 h1').position();
            console.log("Top "+x.top+" Left :"+x.left);
        });

        $('#btnOffset').click(function(){
            console.log("The Offset is "+      $('#test1 h1').offset());
            let x=$('#test1 h1').offset();
            console.log("Top "+x.top+" Left :"+x.left);

            //set test 1 position
            $('#test1 ').offset({top:0,left:0});

        });

    });
</script>
</body>

</html>

```

Thank You

