

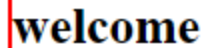
jQuery-Introduction

jQuery Syntax:

jQuery(expression). action(parameters);

Q1: Write jQuery code to set border style to 5px solid red please refer below

SCREENSHOT 1:

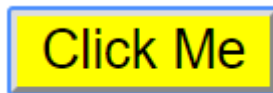


Example:

```
$("#h12").css({"border":"2px solid red"});
```

jQuery selectors:

1. Element ID



Q2: Write jquery Script according to above design.

Syntax:

```
$('#button1').css('background-color', 'yellow');
```

2. Element Tag Name

Syntax :

\$(element)

\$('td') // Selects all td elements

\$('#div a') // **Select all anchor elements** that are descendants of div element

\$(div, span, a') // **Selects all div, span and anchor elements**

Example:

Q3: Alerts the total count of td elements on the page

Hint: `alert($('td').length);`

Q4: Selects all the tr elements on the page and changes their background color to red

Hint: `$('tr').css('background-Color', 'red');`

Q5: Alerts the HTML content of the table

Hint: `alert($('table').html());`

Q6: Alerts the HTML content of each table row

Hint: `$('#table tr').each(function () {alert($(this).html());});`

3. Element Class Name

`$('.small')` // Selects all elements with class small

`$('.small,.big')` // Selects all elements with class small or big

`$(div.small,.big')` // Selects div elements with class small and any element with class big

Q7: Selects all elements with class "small" and sets 5px solid red border

Hint: `$('.small').css('border', '5px solid red');`

4. Element attribute

`$('[title]')` // Selects all elements that have title attribute

Q8: Selects all elements with title attribute and sets 5px solid red border

Hint: `$('[title]').css('border', '5px solid red');`

Q8:DOM Manipulation Methods in jQuery

- **append()**
- **before()**
- **after()**
- **prepend()**
- **remove()**
- **replaceAll()**
- **wrap()**

Syntax:

`$(selector expression).after('content');`

Q9: Events-jQuery: Mouse Events

When we click the button, we want to capture the following event data

1. Event name
2. Mouse X coordinate when the event occurred
3. Mouse Y coordinate when the event occurred
4. The control that raised the event
5. The HTML tag name that raised the event

Click me

Event = click

X = 39

Y = 20

Target Type = button

Target Tag Name = INPUT

Click Me

Event Name = : mouseout

X = : 85

Y = : 37

Target Element : button

Target element tagName : INPUT

Click Me

Event Name = : mousemove

X = : 35

Y = : 16

Target Element : button

Target element tagName : INPUT

Q10:Keyboard Events

keypress()

Enter your name:

Keypresses: 0

Enter your name: 1|

Keypresses: 1

Hint:

```
$("#input").keypress(function(){
```

```
$("#p").text(i += 1);
```

keydown() and keyup()

Enter your name:

Enter your name in the input field above. It will change background color on keydown and keyup.

Enter your name: 1|

Enter your name in the input field above. It will change background color on keydown and keyup.

Hint:

```
$("#input").keydown(function(){
```

```
    $("#input").css("background-color", "yellow");
```

```
});
```

```
$("#input").keyup(function(){
```

```
    $("#input").css("background-color", "pink");
```

```
});
```

Q11: Form Events

change()

focus()

blur()

submit()

Note: Refer W3school

Q12: Document/Window Events

ready()

resize()

scroll()

Note2: Refer W3school

Q13: JQuery Animate Function

Example:

```
$(document).ready(function () {  
    $('#myImage').click(function ()  
    { $(this) .animate({ 'left': '300' }).animate({ 'top': '200' }).animate({ 'left': '10' })  
      .animate({ 'top': '10' });  
    });  
});
```

Q14: Effects-jQuery:

Display Effects

hide()

Show()

Toggle()

Hint:

```
$(document).ready(function(){  
    $("button").click(function(){  
        $("div.d1").toggle();  
    });  
});
```

Q15: Fading Effects

fadein()

fadeOut()

fadeToggle()

fadeTo()

hint:

<script>

```
    $(document).ready(function(){  
        $("button").click(function(){  
            $("#div1").fadeToggle();  
            $("#div2").fadeToggle("slow");  
            $("#div3").fadeToggle(3000);  
        });  
    });
```

</script>:

Click to fade Toggle boxes



Q16: Siding Effects

slideDown()

slideUp()

slideToggle()

Click to slide toggle panel

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Hint:

```
$(document).ready(function(){  
    $("#flip").click(function(){ $("#panel").slideToggle("slow"); }); });  
<style>  
#panel, #flip { padding: 5px; text-align: center; background-color: #00FFFF; border: solid 1px  
#c3c3c3;  
}  
#panel { padding: 50px; display: none;  
} </style>
```