

Module (jQuery Basic, Effects & Advanced) – 5

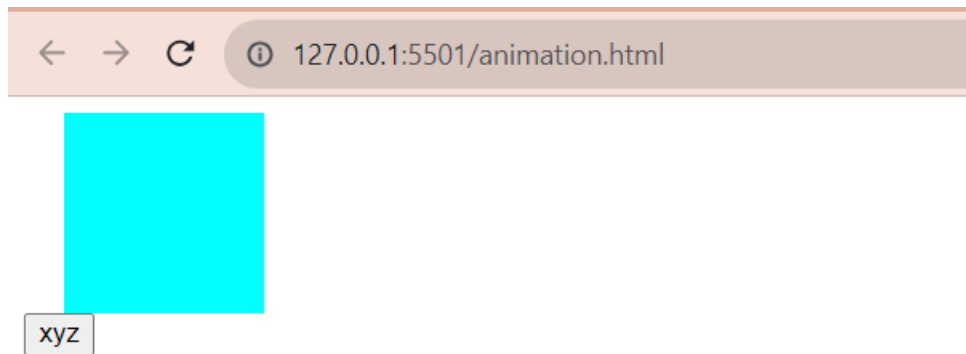
1. What is jQuery?

jQuery is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website. jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

2. How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery , JQuery Animation?

```
3. <!DOCTYPE html>
4. <html lang="en">
5. <head>
6.     <meta charset="UTF-8">
7.     <meta name="viewport" content="width=device-width, initial-
scale=1.0">
8.     <title>Document</title>
9.     <script
src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.0/jquery.min.
js"></script>
10.    <style>
11.        div{
12.            height: 100px;
13.            width: 100px;
14.            background-color: black;
15.            position: relative;
16.            left: 20px;
17.            background-color: aqua;
18.        }
19.    </style>
20.</head>
21.<body>
22.    <div></div>
23.    <button>xyz</button>
24.    <script>
25.        $(document).ready(function () {
26.            $("button").click(function () {
27.                // $("div").animate({ "left": "20%"})
28.                $("div").animate({ "height":
"toggle"}).css({"background-color":" aqua"})
29.                // $("div").animate({ "width": "toggle"})
30.            })
31.        })
32.    </script>
33.</body>
```

```
34.</html>
```



- How to create slider with animation?

```
• <!DOCTYPE html>
• <html>
• <head>
• <meta name="viewport" content="width=device-width, initial-scale=1">
• <style>
• * {box-sizing: border-box}
• .mySlides1, .mySlides2 {display: none}
• img {vertical-align: middle;}
•
• /* Slideshow container */
• .slideshow-container {
•   max-width: 1000px;
•   position: relative;
•   margin: auto;
• }
•
• /* Next & previous buttons */
• .prev, .next {
•   cursor: pointer;
•   position: absolute;
•   top: 50%;
•   width: auto;
•   padding: 16px;
•   margin-top: -22px;
•   color: white;
•   font-weight: bold;
•   font-size: 18px;
•   transition: 0.6s ease;
•   border-radius: 0 3px 3px 0;
•   user-select: none;
• }
• .next {
```

```

•   right: 0;
•   border-radius: 3px 0 0 3px;
• }
• .prev:hover, .next:hover {
•   background-color: #f1f1f1;
•   color: black;
• }
• </style>
• </head>
• <body>
• <p>Slider</p>
• <div class="slideshow-container">
•   <div class="mySlides1">
•     
•   </div>
•
•   <div class="mySlides1">
•     
•   </div>
•
•   <div class="mySlides1">
•     
•   </div>
•
•   <a class="prev" onclick="plusSlides(-1, 0)">&#10094;</a>
•   <a class="next" onclick="plusSlides(1, 0)">&#10095;</a>
• </div>
•
• <script>
• let slideIndex = [1,1];
• let slideId = ["mySlides1", "mySlides2"]
• showSlides(1, 0);
• showSlides(1, 1);
•
• function plusSlides(n, no) {
•   showSlides(slideIndex[no] += n, no);
• }
•
• function showSlides(n, no) {
•   let i;
•   let x = document.getElementsByClassName(slideId[no]);
•   if (n > x.length) {slideIndex[no] = 1}
•   if (n < 1) {slideIndex[no] = x.length}
•   for (i = 0; i < x.length; i++) {
•     x[i].style.display = "none";

```

```
}  
x[slideIndex[no]-1].style.display = "block";  
}  
</script>  
  
</body>  
</html>
```

