

# Introduction to JQuery

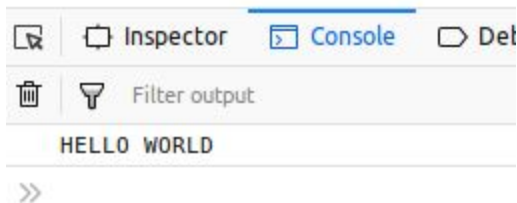
-YUKTI SHARMA

## 1. Console "Hello Word" in document.ready function

```
<body>

<script type="text/javascript" src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

<script type="text/javascript">
    $( document ).ready(function() {
        console.log( 'HELLO WORLD' );
    });
</script>
```



## 2. Select a ID name "#test" and add class "load" when DOM is loaded

```
<button id="test">test button</button>

<script type="text/javascript">
    $( document ).ready(function() {
        $("#test").addClass("load");
    });
</script>
```

```
</body>
</html>
<body>
  <button id="test" class="load">test button</button>
  <script type="text/javascript" src="https://ajax.googleapis.com/ajax/3.2.1/jquery.min.js"></script>
  <script type="text/javascript">...</script>
</body>
</html>
```

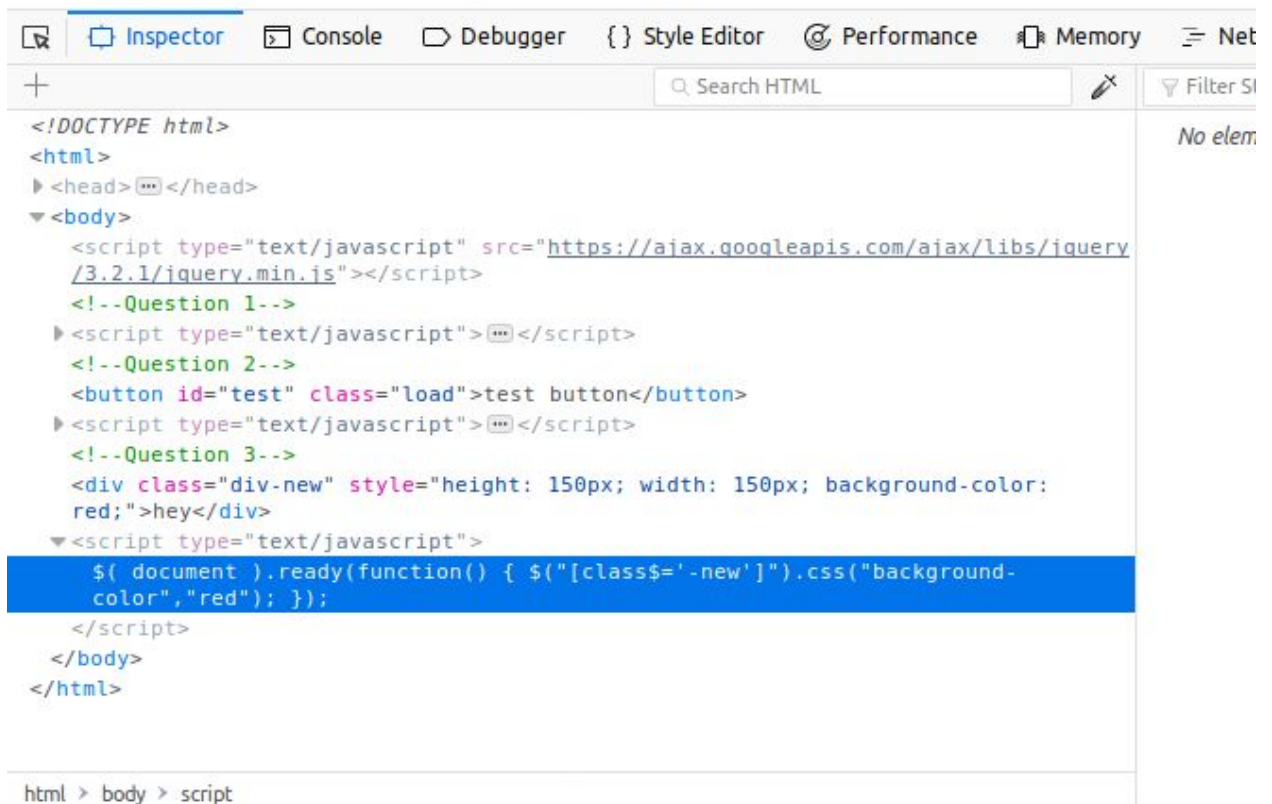
### 3. Change the color of element which class name end with "-new"

```
<!-- Question 3 -->
<div style="height: 150px; width: 150px; background-color: yellow;" class="div-new">hey</div>

<script type="text/javascript">

    $( document ).ready(function() {
    $("[class$='-new']").css("background-color","red");
    });

</script>
```



### 4. Disable submit button using jquery attr method

```

<!-- Question 4 -->

<input type="submit" name="xyz">

<script type="text/javascript">

    $( document ).ready(function() {
        $("input[type=submit]").attr("disabled", "disabled");
    });
</script>

```

5. Change the font size of ".target" which has parent element with id name "#main"

```

<!-- Question 5 -->
<ul id="main"> competencies are-
    <li>JVM</li>
    <li>BIG DATA</li>
    <li class="target">ios</li>
    <li>FEEN</li>
    <li>MEAN</li>
</ul>

<script type="text/javascript">
    $( document ).ready(function() {
        $("#main .target").css("font-size", "30px");
    });
</script>

```

- competencies are-
- JVM
  - BIG DATA
  - ios
  - FEEN
  - MEAN

**6. After page load change the HTML of div element with "p" element**

<!-- Question 6 -->

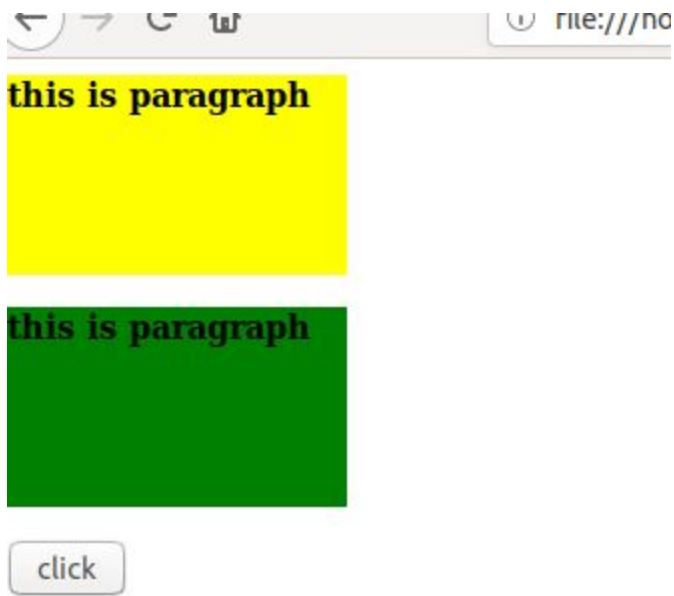
```
<div style="background-color: yellow; height: 100px; width: 170px;">This is a div </div>
<p style="background-color: green; height: 100px; width: 170px;"><b>this is paragraph</b></p>
<button type="submit" ">click</button>
<script type="text/javascript">
    $( document ).ready(function() {
        $( "button" ).click(function() {
            $( "div" ).html( $( "p" ).html() );
        });
    });
</script>
```

← → ↺ 🏠 ⓘ File:///home/!

This is a div

**this is paragraph**

click

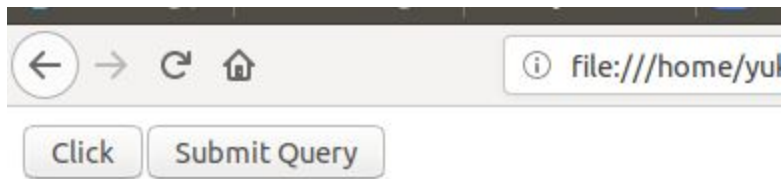


7. Bind a click function to an "click" element and append next "click" next to it.

```
<div>
<button type="submit" id="click">Click </button></div>
<script type="text/javascript">
    $( document ).ready(function() {

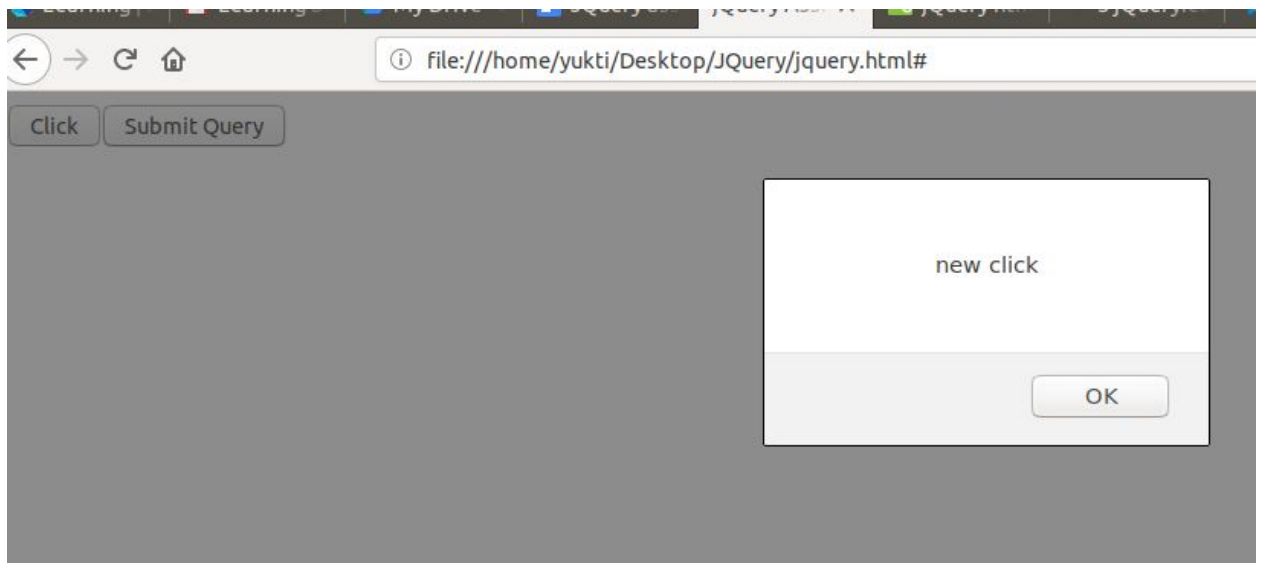
        $("#click").on("click",function()
        {   var node=$("<input>",{type:"submit",title:"click"});
            $("#div").append(node);
        });

    });
</script>
```



8. Click event not working on element which added dynamically or via script, make it work using .on method





```
<!-- question 8 -->
<div>
<button type="submit" id="click">Click </button></div>
<script type="text/javascript">
$( document ).ready(function() {

    $("#click").on("click",function()
    { var node=$("<input>",{type:"submit",title:"click",class:"one"});
      $("div").append(node);
      $(".one").on("click",function(e){
        alert("new click");
      });
    });

});
</script>
```

9. Get dropdown selected value on onchange event and append in div container

```

1
2 <!--      question 9  -->
3 <div>
4 Select the city:-<select>
5 <option value="Delhi">Delhi</option>
6 <option value="Noida">Noida</option>
7 <option value="Hapur">Hapur</option>
8 <option value="Chennai">Chennai</option>
9 <option value="Meerut">Meerut</option>
10 </select>
11 </div>
12 <script type="text/javascript">
13     $('select').on('change', function() {
14         $("div").append( this.value+" " );
15     });
16 </script>
17

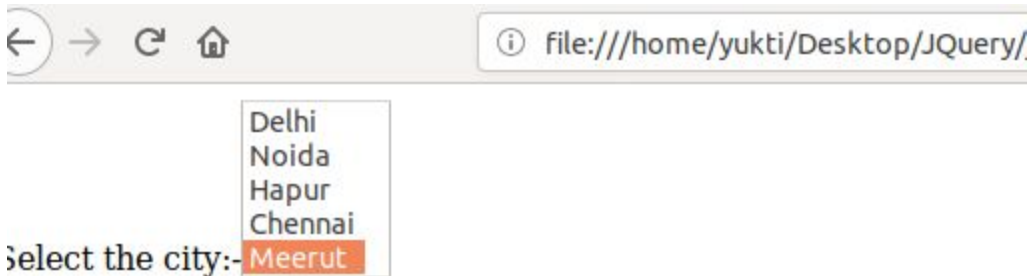
```

Select the city:-  Chennai

**10. Create a dropdown menu using hover method in jquery**

```
<!-- question 10 -->
Select the city:-<select>
<option value="Delhi">Delhi</option>
<option value="Noida">Noida</option>
<option value="Hapur">Hapur</option>
<option value="Chennai">Chennai</option>
<option value="Meerut">Meerut</option>
</select>

<script type="text/javascript">
    $(document).ready(function()
    {
        $("select").hover(function(){
            $(this)[0].size=$(this).find("option").length;
        });
        $("select").on("click",function(){
            $(this)[0].size=0;
        });
    });
</script>
```



11. On clicking on "[google](#)" tag. It is taking us to google home page. Stop it from happening.

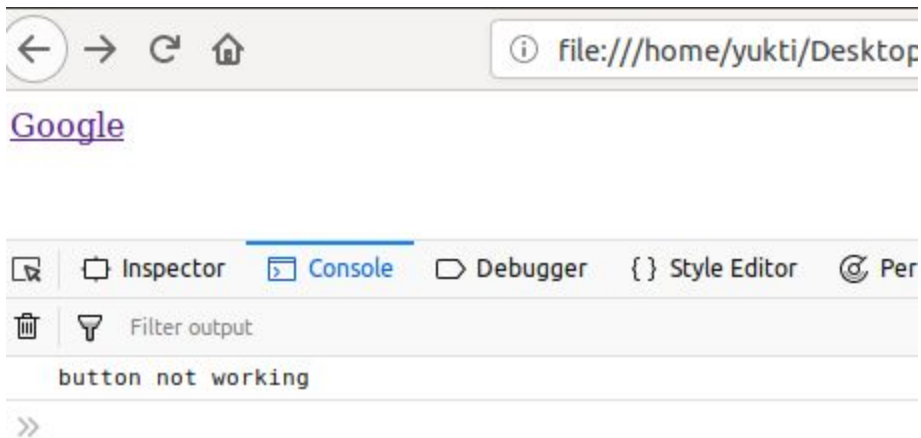
```
<a href="https://www.google.com">Google</a>
<script type="text/javascript">

    $( document ).ready(function() {

        $("a").on("click",function(e)
        {
            e.preventDefault();
            console.log("button not working");
        });

    });

</script>
```



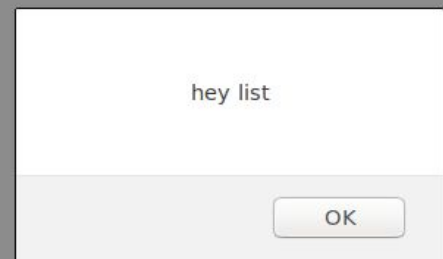
12. We have bind a click funtion to parent div but we want stop it from performing when user clicks on its child li

```

18
19 <div class="parent"> hey this is div here!
20
21     <li class="list1"> list within the div </li>
22
23 </div>
24 <script type="text/javascript">
25     $( document ).ready(function() {
26
27         $(".parent").on("click",function(e)
28         {
29             alert("hey div");
30
31         });
32         $(".list1").click(function(e)
33         {
34
35             alert("hey list");
36             e.preventDefault();
37             e.stopPropagation();
38         });
39     });
40
41 </script>
42

```

hey this is div here!  
list within the div



### 13. Get the max height of elements using jquery each method

```

<!-- Question 13 -->
<script type="text/javascript">

$("button").click(function(){

    $(".table").each(function (){
        console.log("Height of element is: " + $(this).height());
    });
});

```

The screenshot shows a web browser window with a file path in the address bar: `file:///home/yukti/Desktop/JQuery/jq`. The page contains a table with two rows of numbers:

2	17	14	5
12	7	14	35

Below the table is a button labeled "click to change". The browser's developer console is open, showing the following log messages:

```

Height of element is: 270
Height of element is: 83.3333
Height of element is: 108
Height of element is: 100
Height of element is: 700

```

14. Change color of every cell which has number larger than 10.

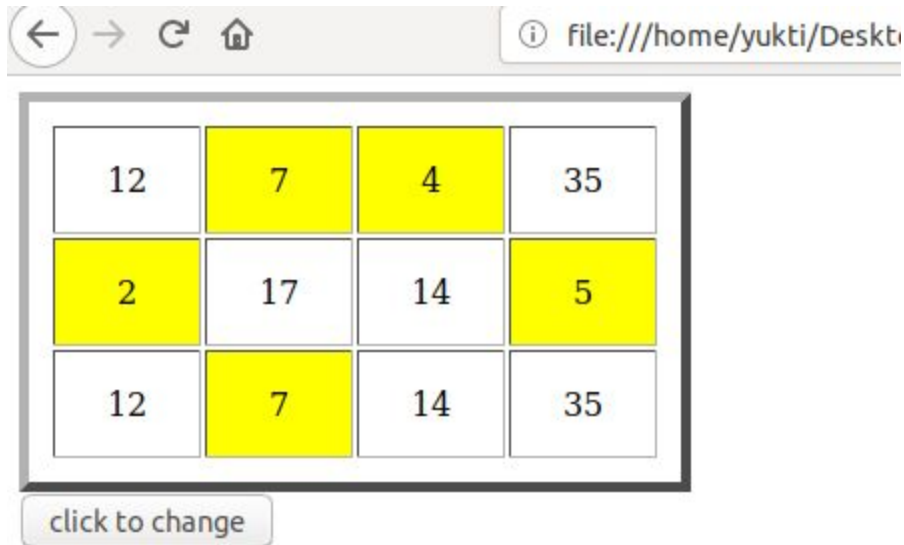
```
<script type="text/javascript">

    $("button").click(function(){

        $('td').each(function (){
            var link = $(this).html();
            if (link <=10) {
                $(this).css("background-color","yellow");
            }
        });
    });

</script>
```





### 15. Retrive the data from server using ajax get call

```
<!-- QUESTION 15 -->
<div> </div>
<script type="text/javascript">

    $(document).ready(function()
    {
        $.ajax({url:"https://jsonplaceholder.typicode.com/posts",method:"get",success:function(result)
        {
            for(var i=0;i<result.length;i++){
                $("div").append(result[i].userId+result[i].id+result[i].title+result[i].body);
            }
        }});
    });
</script>
```



```
2sunt aut facere repellat provident occaecati excepturi optio reprehenderitquia et suscipit suscipit recusandae consequuntur expedita et cum reprehenderit molestiae ut ut quas totam nostrum rerum est autem sunt rem eveniet architecto3qui est esseest rerum tempore vitae sequi sint nihil reprehenderit dolor beatae ea dolores neque fugiat blanditiis voluptate porro vel nihil molestiae ut reiciendis qui aperiam non debitis possimus qui neque nisi nulla4ea molestias quasi exercitationem repellat qui ipsa sit autet iusto sed quo iure voluptatem occaecati omnis eligendi aut ad voluptatem doloribus vel accusantium quis pariatur molestiae porro eius odio et labore et velit aut5eum et est occaecatiullam et saepe reiciendis voluptatem adipisci sit amet autem assumenda provident rerum culpa quis hic commodi nesciunt rem tenetur doloremque ipsam iure quis sunt voluptatem rerum illo velit6nesciunt quas odiorepudiandae veniam quaerat sunt sed alias aut fugiat sit autem sed est voluptatem omnis possimus esse voluptatibus quis est aut tenetur dolor neque7dolorem eum magni eos aperiam quiaut aspernatur corporis harum nihil quis provident sequi mollitia nobis aliquid molestiae perspiciatis et ea nemo ab reprehenderit accusantium quas voluptate dolores velit et doloremque molestiae8magnam facilis autemdolore placeat quibusdam ea quo vitae magni quis enim qui quis quo nemo aut saepe quidem repellat excepturi ut quia sunt ut sequi eos ea sed quas9dolorem dolore est ipsamdignissimos aperiam dolorem qui eum facilis quibusdam animi sint suscipit qui sint possimus cum quaerat magni maiores excepturi ipsam ut commodi dolor voluptatum modi aut vitae10nesciunt iure omnis dolorem tempora et accusantiumconsectetur animi nesciunt iure dolore enim quia ad veniam autem ut quam aut nobis et est aut quod aut provident voluptas autem voluptas11optio molestias id quia eumquo et expedita modi cum officia vel magni doloribus qui repudiandae vero nisi sit quos veniam quod sed accusamus veritatis error13et ea vero quia laudantium autemdelectus reiciendis molestiae occaecati non minima eveniet qui voluptatibus accusamus in eum beatae sit vel qui neque voluptates ut commodi qui incidunt ut animi commodi14in quibusdam tempore odit est dolorem15dolorum ut in voluptas mollitia et saepe quo animiaut dicta possimus sint mollitia voluptas commodi quo doloremque iste corrupti reiciendis voluptatem eius rerum sit cumque quod eligendi laborum minima perferendis recusandae assumenda consectetur porro architecto ipsum ipsam16voluptatem eligendi optiofuga et accusamus dolorum perferendis illo voluptas non doloremque neque facere ad qui dolorum molestiae beatae sed aut voluptas totam sit illum17eveniet quod temporibusreprehenderit quos placeat velit minima officia dolores impedit repudiandae molestiae nam voluptas recusandae quis delectus officiis harum fugiat vitae18sint suscipit perspiciatis velit dolorum rerum ipsa laboriosam odiosus19fugit voluptas sed molestias voluptatem quia voluptatem quis ullam qui in alias quia est consequatur magni mollitia accusamus ea nisi voluptate dicta19fugit voluptas sed molestias voluptatem providenteos voluptas et aut odit natus earum aspernatur fuga molestiae ullam deserunt ratione qui eos qui nihil ratione nemo velit ut aut id quo20voluptate et itaque vero tempora molestiae21eveniet quo quis laborum totam consequatur non dolor ut et est repudiandae est voluptatem vel debitis et magnam21adipisci placeat illum aut reiciendis qui nullam quis cupiditate provident sit magnam ea sed aut omnis veniam maiores ullam consequatur atque adipisci quo iste expedita sit quos voluptas22doloribus ad provident suscipit atqui consequuntur ducimus possimus quisquam amet similique suscipit porro ipsam amet eos veritatis officiis exercitationem vel fugit aut necessitatibus totam omnis rerum consequatur expedita quidem cumque explicabo24asperiores ea ipsam voluptatibus modi minima quia sintrepellat aliquid praesentium dolorem quo sed totam minus non itaque nihil labore molestiae sunt dolor eveniet hic recusandae veniam tempora et tenetur expedita sunt25dolor sint quo a velit explicabo quia nameos qui et ipsum ipsam suscipit aut sed omnis non odio expedita earum mollitia molestiae aut atque rem suscipit nam impedit esse26maxime id vitae nihil numquamveritatis unde neque eligendi quae quod architecto quo neque vitae est illo sit tempora doloremque fugit quod et et vel beatae sequi ullam sed tenetur perspiciatis27autem hic labore sunt dolores incidunt28enim et ex nulla omnis voluptas quia qui voluptatem consequatur numquam aliquam sunt totam recusandae id dignissimos aut sed asperiores deserunt28rem alias distinctio quo quisnullam consequatur ut omnis quis sit vel consequuntur ipsa eligendi ipsum molestiae et omnis error nostrum molestiae
```

16. Add cross button on row and bind click function which make a delete request to server, after success event remove the row from dom

User Id	Id		Title	Body	
1	1		sunt aut facere repellat provident occaecati excepturi optio reprehenderit	quia et suscipit suscipit recusandae consequuntur expedita et cum reprehenderit molestiae ut ut quas totam nostrum rerum est autem sunt rem eveniet architecto	
1	2		qui est esse	est rerum tempore vitae sequi sint nihil reprehenderit dolor beatae ea dolores neque fugiat blanditiis voluptate porro vel nihil molestiae ut reiciendis qui aperiam non debitis possimus qui neque nisi nulla	
1	3		ea molestias quasi exercitationem repellat qui ipsa sit aut	et iusto sed quo iure voluptatem occaecati omnis eligendi aut ad voluptatem doloribus vel accusantium quis pariatur molestiae porro eius odio et labore et velit aut	
				ullam et saepe reiciendis voluptatem adipisci sit amet	

(code attached along)

17. Create a image array and in div create a slide show to animate images of delay of 500ms.

```
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script>
    $(document).ready(function () {
        var imageArray = ["http://placekitten.com/500/200",
            "http://placekitten.com/499/200",
            "http://placekitten.com/501/200",
            "http://placekitten.com/500/199"]
        $("#slider").hover(function () {
            var image = $("#slide-img");
            image.animate({ opacity: 0 }, 500, function () {
                var random = imageArray[Math.floor(Math.random() * imageArray.length)];
                image.attr("src", random);
                image.css('opacity', 1);
                $("#slider").html(image);
            })
        });
    });
</script>
```

