

## Session: Introduction to jQuery

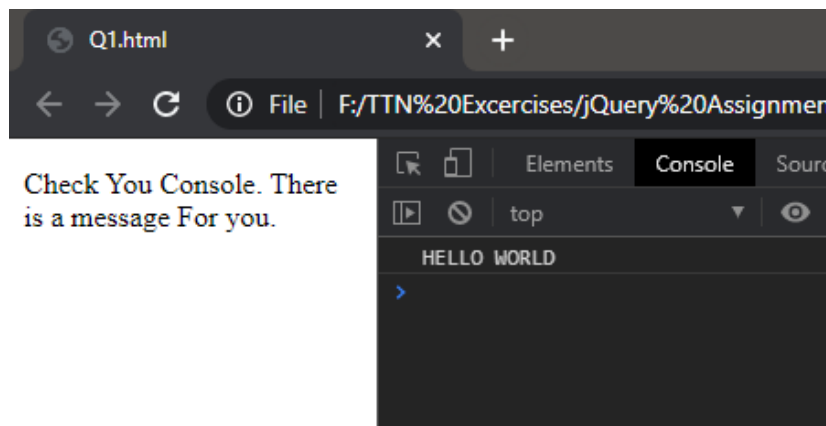
### Assignment

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

#### **Code**

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<p>Check You Console. There is a message For you.</p>
<script>
$(document).ready(function(){
  console.log("HELLO WORLD");
});
</script>
</body>
</html>
```

#### **OUTPUT**



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

#### **Code**

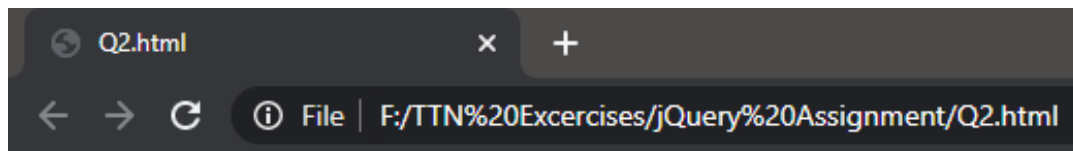
```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<style>
.load{
color:blue;
```

```

}
</style>
</head>
<body>
<p>This is a para</p>
<p id="test">This is a test para which is going to turn blue when DOM is loaded</p>
<script>
$(document).ready(function(){
  $('#test').addClass('load');
});
</script>
</body>
</html>

```

## OUTPUT



This is a para

This is a test para which is going to turn blue when DOM is loaded

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

#### Code

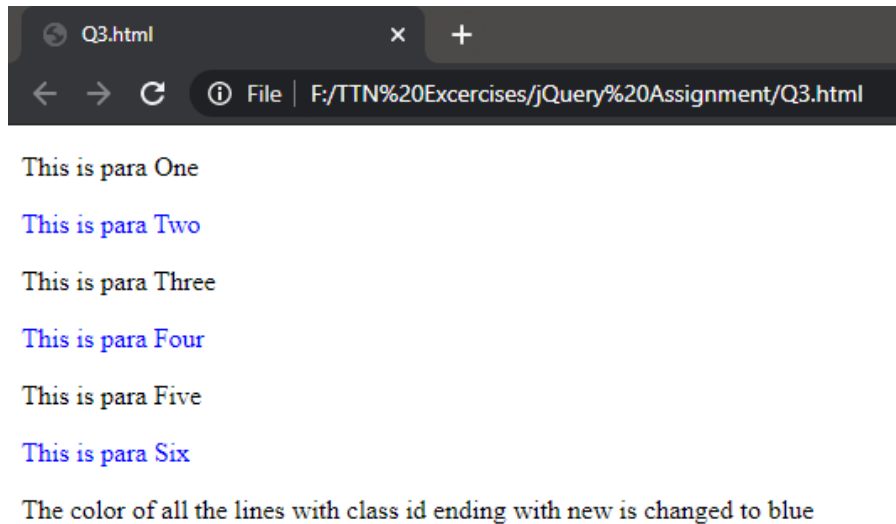
```

<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<p>This is para One</p>
<p class="two-new">This is para Two</p>
<p>This is para Three</p>
<p class="four-new">This is para Four</p>
<p>This is para Five</p>
<p class="six-new">This is para Six</p>
<p> The color of all the lines with class id ending with new is changed to blue</p>
<script>
$(function(){
  $(function(){$('['class$=new]').css('color','blue')});

```

```
});
</script>
</body>
</html>
```

## OUTPUT



## 4. Disable submit button using jquery attr method

### Code

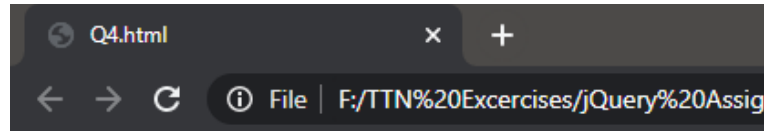
```
<!DOCTYPE html>
<html lang="en">
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</script>
</head>
<body>
<p> Enter some text in the input box to enable the button</p>
<p> Otherwise it will remain disabled</p>
<form id="disBtn" action="#" method="POST">
  <br><br>
  <input type="text" name="textField" />
  <input type="submit" value="Enter" />
</form>
<script>
$(document).ready(function() {
  $(':input[type="submit"]').attr('disabled', true);
  $('input[type="text"]').keyup(function() {
    if($(this).val() != "") {
      $(':input[type="submit"]').attr('disabled', false);
    }
  })
})
```

```

});
});
</script>
</body>
</html>

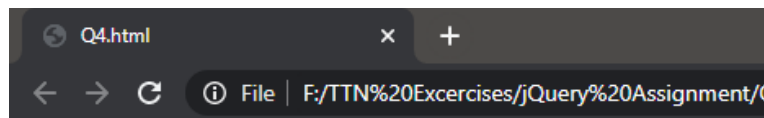
```

## OUTPUT



Enter some text in the input box to enable the button

Otherwise it will remain disabled

Enter some text in the input box to enable the button

Otherwise it will remain disabled

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

### Code

```

<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<div id="main">
<p>This is a para</p>

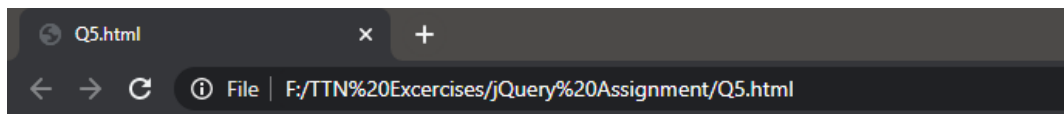
```

```

<p class="target">This is a target para whose size is going to be changed</p>
</div>
<script>
$(document).ready(function(){
  $('#main').children('.target').css({'font-size': '30px'});
});
</script>
</body>
</html>

```

## OUTPUT



This is a para

This is a target para whose size is going to be changed

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

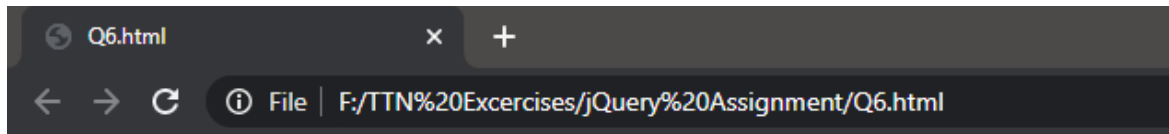
### Code

```

<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<div id="div_id">
<h3>This is para One</h3>
<h2>This is para Two</h2>
<p>This is para Three</p>
</div>
<p id="para_id">This para tag has replaced all the content of div tag</p>
<script>
$(document).ready(function(){
  $('#div_id').replaceWith( $('#para_id' ) );
});
</script>
</body>
</html>

```

## OUTPUT



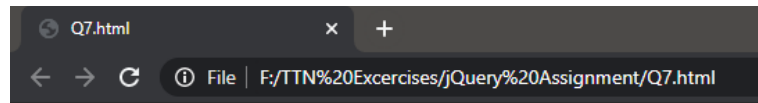
This para tag has replaced all the content of div tag

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

### Code

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<h3>This is Heading One</h3>
<h3>This is Heading Two</h3>
<p>This is para One</p>
<br><br><h3>Click on para one to append "Click" next to it</h3>
<script>
$(document).ready(function(){
  $('p').bind('click', function(){
    $('p').append(' <b><i>click</i></b>');
  });
});
</script>
</body>
</html>
```

## OUTPUT

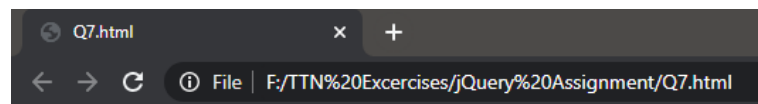


**This is Heading One**

**This is Heading Two**

This is para One

**Click on para one to append "Click" next to it**



**This is Heading One**

**This is Heading Two**

This is para One *click*

**Click on para one to append "Click" next to it**

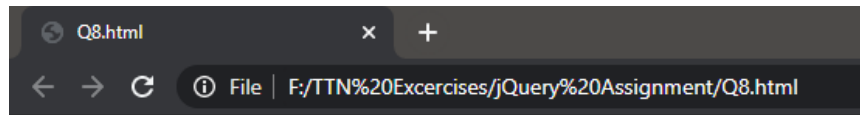
- Click event not working on element which added dynamically or via script, make it work using .on method

### Code

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<h3 id="id1">Example of click using on method</h3>
<h3 id="id2">This is Heading</h3>
<br><h3>Click on above Line to chnage the color of first heading</h3>
<script>
$(document).ready(function(){
    $('p').add( '<p>Click This Line<p>' ).appendTo( $('#id2') );
    $('p').on("click", function(){
        $(function(){$('#id1').css('color', 'blue')});
    });
});
```

```
});  
</script>  
</body>  
</html>
```

## OUTPUT

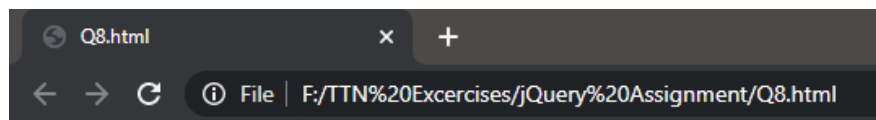


**Example of click using on method**

**This is Heading**

**Click This Line**

**Click on above Line to chnage the color of first heading**



**Example of click using on method**

**This is Heading**

**Click This Line**

**Click on above Line to chnage the color of first heading**

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

### Code

```
<!DOCTYPE html>  
<html>  
<head>  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>  
</head>  
<body>  
<div id="div_id">  
<p>Select a number from the Drop Down list</p>  
<select>  
<option>One</option>
```

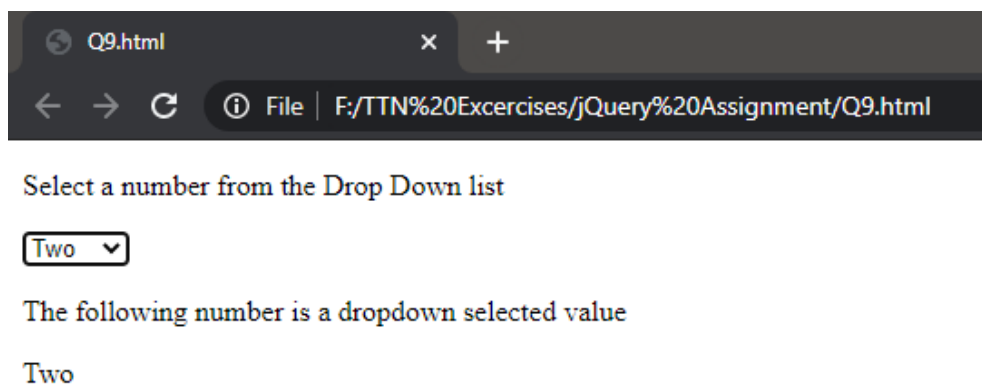
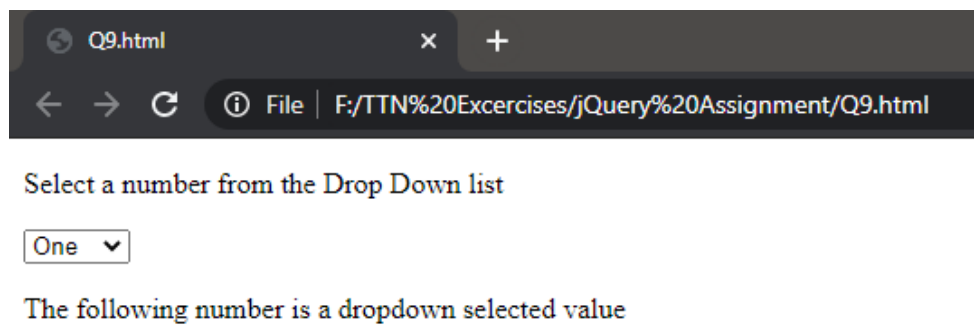


```

    <option>Two</option>
    <option>Three</option>
    <option>Four</option>
</select>
<p>The following number is a dropdown selected value</p>
</div>
<script>
$(document).ready(function(){
    $('select').on('change', function() {
        $('#div_id').append(this.value);
    });
});
</script>
</body>
</html>

```

## OUTPUT



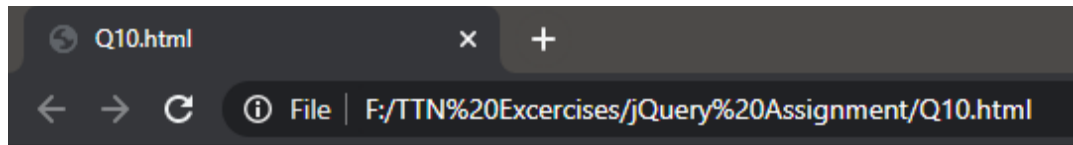
## 10. Create a dropdown menu using hover method in jquery

### Code

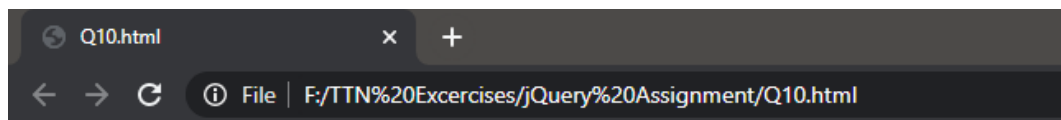
```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<style>
#listid{
display:none;
}
</style>
<body>
<div>
<h2 id="p1">Hover On this Line to see BARCA's Playing 11 !!</h2>
<ol id="listid" type="1.">
  <li>Ter Stegen</li>
  <li>N. Semedo</li>
  <li>Piqué</li>
  <li>I. Rakitic</li>
  <li>Sergio</li>
  <li>Coutinho</li>
  <li>Suárez</li>
  <li>Messi</li>
  <li>Jordi Alba</li>
  <li>Umtiti</li>
  <li>Rafinha</li>
</select>
</div>
<script>

$(document).ready(function(){
  $('#p1').hover(function(){
    $('#listid').show();
  });
});
</script>
</body>
</html>
```

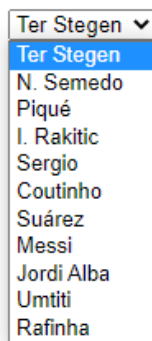
## OUTPUT



**Hover On this Line to see BARCA's Playing 11 !!**



**Hover On this Line to see BARCA's Playing 11 !!**



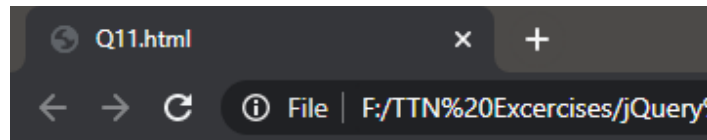
11. On clicking on "google" tag. It is taking us to google home page. Stop it from happening.

### Code

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<h2><a href="https://www.google.com">GOOGLE</a></h2>
<br><br><h3>Click on the above link</h3>
<h3> but it will not take you to google.com</h3>
<script>
$(document).ready(function(){
  $('a').click(function(e){
```

```
e.preventDefault();  
});  
});  
</script>  
</body>  
</html>
```

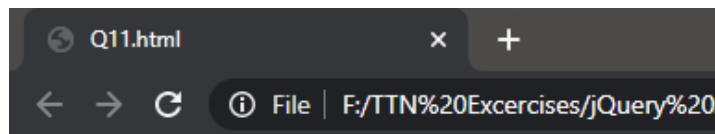
### OUTPUT



GOOGLE

**Click on the above link**

**but it will not take you to google.com**



GOOGLE

**Click on the above link**

**but it will not take you to google.com**

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

### Code

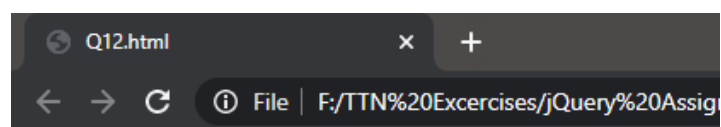
```
<!DOCTYPE html>  
<html>  
<head>  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
```

```

</head>
<body>
<div id="div1">
<h2>Click ME !!</h2>
<h2>You Can Click Me Also !!</h2>
<ul id="listid">
  <li>Item 1</li>
  <li>Item 1</li>
  <li>Item 3</li>
  <li>Item 4</li>
  <li>Item 5</li>
  <li>Item 6</li>
</ul>
</div>
<script>
$(document).ready(function(){
  $('#div1').on('click',function(e){
    $('#div1').css('color','green');
  });
  $('#div1 li').on('click', function(e) {
    e.stopPropagation();
  });
});
</script>
</body>
</html>

```

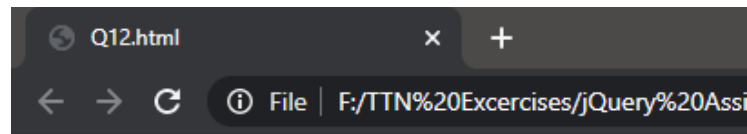
## OUTPUT



**Click ME !!**

**You Can Click Me Also !!**

- Item 1
- Item 1
- Item 3
- Item 4
- Item 5
- Item 6



**Click ME !!**

**You Can Click Me Also !!**

- Item 1
- Item 1
- Item 3
- Item 4
- Item 5
- Item 6

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

#### Code

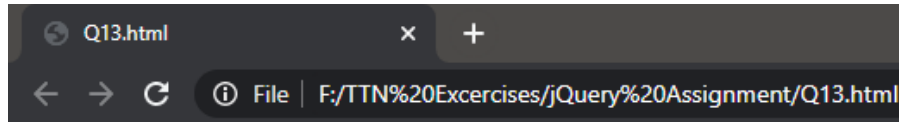
```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<div id="div1">
<b>This Program Will Tell You </b>
<h2>The Maximum Height of This div Tag !!</h2>
<ul id="l1">
  <li>Item 1</li>
  <li>Item 1</li>
  <li>Item 3</li>
  <li>Item 4</li>
  <li>Item 5</li>
  <li>Item 6</li>
</ul>
</div>
<script>
$(document).ready(function(){
var height = 0;
$('#div1').each(function(e){
  var hght = $(this).height();
  if(hght > height)
  {
    height = hght;
  }
});
});
```

```

    }
  });
  $('p').add('<p><b>The Maximum Height is: </b></p>').insertAfter($('#l1')).append(height);
});
</script>
</body>
</html>

```

## OUTPUT



**This Program Will Tell You**

### **The Maximum Height of This div Tag !!**

- Item 1
- Item 1
- Item 3
- Item 4
- Item 5
- Item 6

**The Maximum Height is: 192.812**

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

### **Code**

```

<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<table border="3">
<tr>
<td>9</td>
<td>81</td>
</tr>
<tr>
<td>3</td>
<td>27</td>
</tr>
<tr>
<td>18</td>

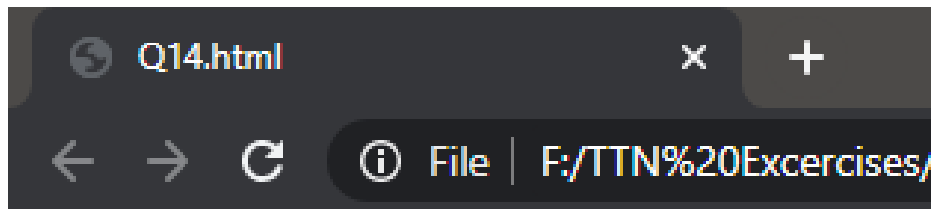
```

```

<td>6</td>
</tr>
<tr>
<td>24</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>73</td>
</tr>
</table>
<script>
$(document).ready(function(){
$('td').each (function() {
    var clr = parseInt($(this).text());
    if ( clr > 10) {
        $(this).css('background-color', 'gray');
    }
});
});
</script>
</body>
</html>

```

## OUTPUT



9	81
3	27
18	6
24	5
7	73

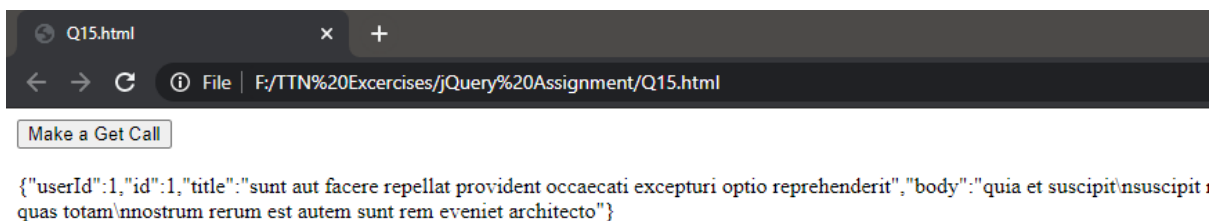


## 15. Retrive the data from server using ajax get call

### Code

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<input type="button" id="bcall" value="Make a Get Call"><br><br>
<div id="filedata"></div>
<script>
$(document).ready(function(){
  $('#bcall').click(function(){
    $.ajax({url: 'https://jsonplaceholder.typicode.com/posts/1', success: function(result){
      $('#filedata').html(JSON.stringify(result));
    }});
  });
});
</script>
</body>
</html>
```

### OUTPUT



## 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.

### Code

```
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<button id="bcall">Make a Get Call</button>
<div id="filedata"></div>
<script>
$(document).ready(function(){
```

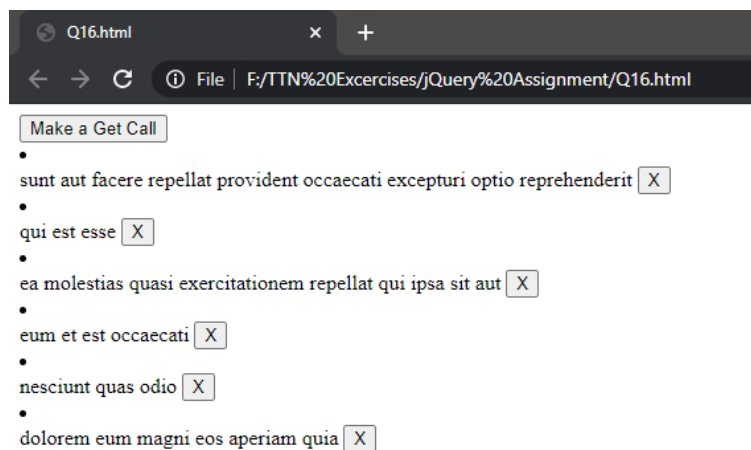
```

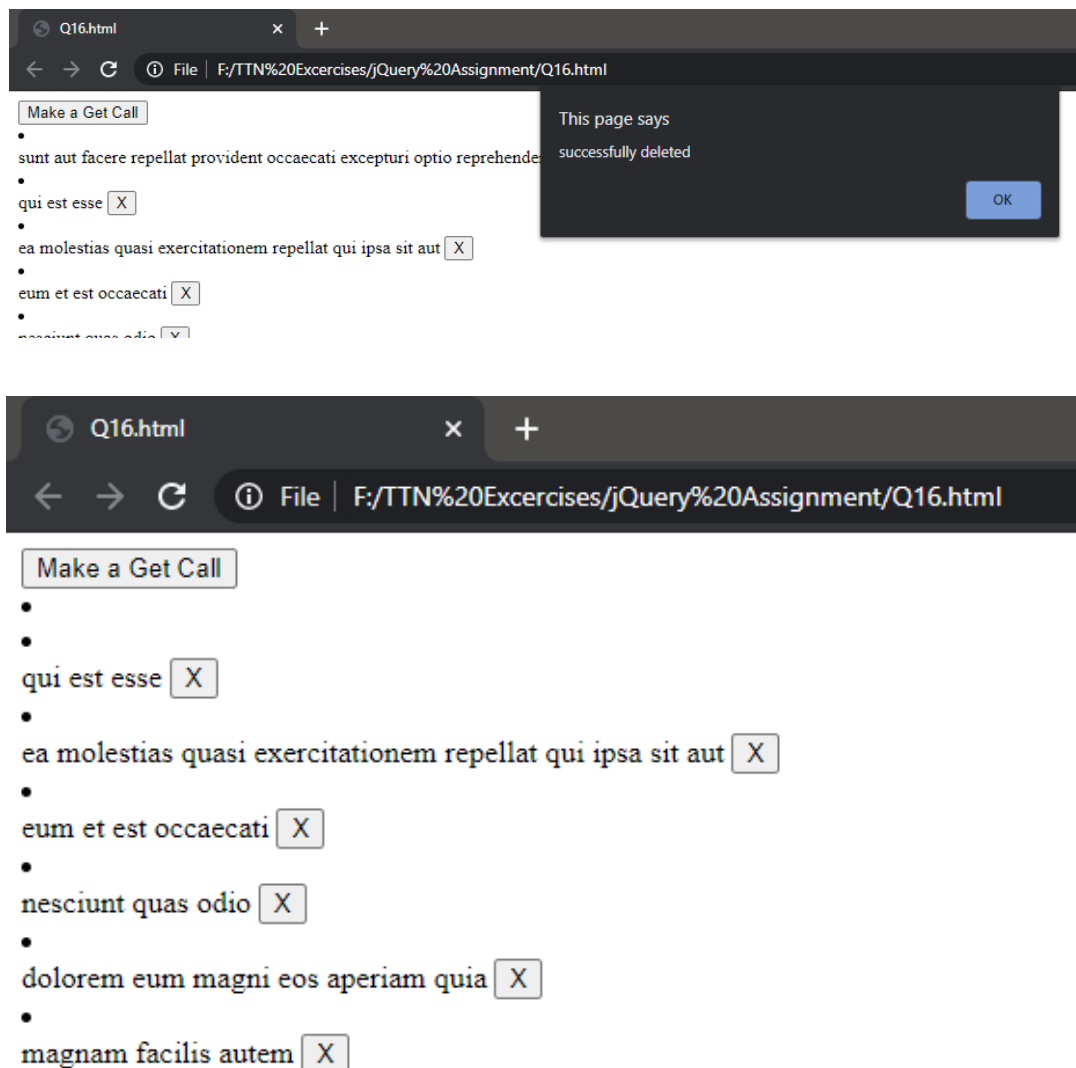
$(document).on('click','#del',function(e){
var id=$(this).attr('name')
$.ajax({
  url: 'https://jsonplaceholder.typicode.com/posts/1'+id,
  type: 'DELETE',
  success: function(result) {
    alert("successfully deleted")
    $('#div#'+id).remove();
  }
});
});
$('#bcall').click(function(){
$.ajax({
  url: 'https://jsonplaceholder.typicode.com/posts/',
  success: function(result) {
for(var i in result)
{

$('#filedata').append(
  '<li><div id='+result[i].id+'> <span id='+result[i].id+'>'+result[i].title+'</span> <button text-align="right" id="del" name='+result[i].id+'>X</button></div></li>'
);
}
}
});
});
</script>
</body>
</html>

```

## OUTPUT





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

### Code

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>
<body>
<br>
<input type="button" id="bsrt" value="Start Slide Show">
<br><br>
<input type="button" id="bstp" value="Stop Slide Show">
<div id="pagecont" border="1"></div>
<script>
$(document).ready(function(){
```

```

var interval;
$('#bsrt').click(function()
{
    var i=0;
    var arr = new Array("a.jpg", "b.jpg", "c.jpg","d.jpg");
    interval =setInterval(function()
    {
        $('#pagecont').html('<center></center>');
        i++;
        if(i==4)
            i=0;

    }, 500);
    });
$('#bstp').click(function()
{
    clearInterval(interval);
});
});
</script>
</body>
</html>

```

## OUTPUT





Start Slide Show

Stop Slide Show

