

Exercise for Introduction to jQuery

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

```
<!DOCTYPE html>

<html>

<head>

<script type="text/javascript" src="jquery.js"></script>

</head>

<body>

    <script type="text/javascript">

        $(document).ready(function(){

            console.log("Hello World!!");

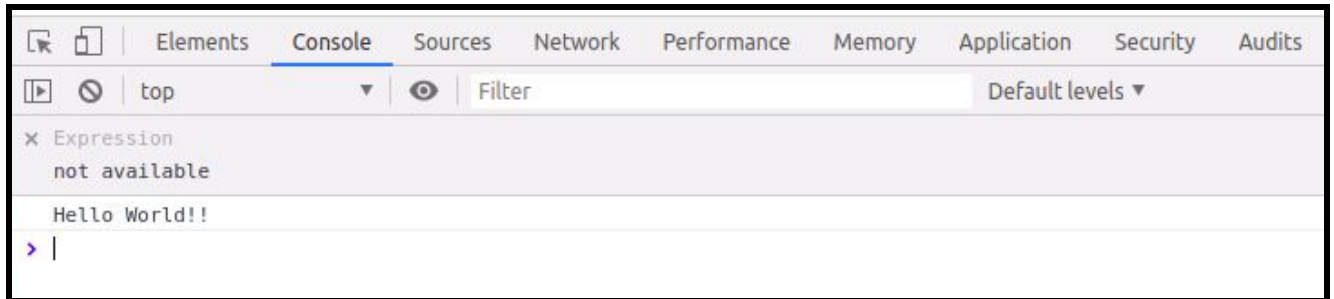
        });

    </script>

</body>

</html>
```

Output:



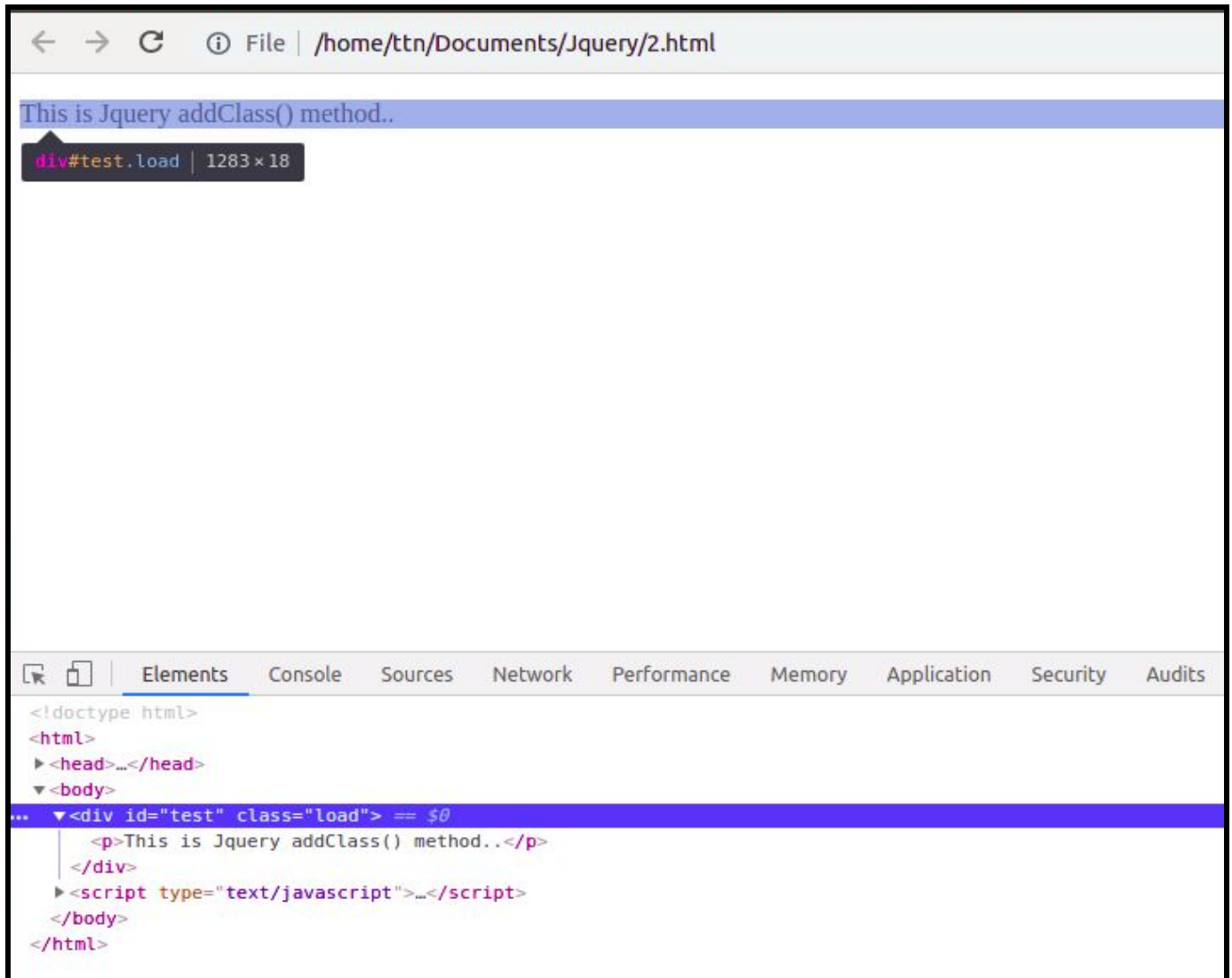
2. Select a ID name "#test" and add class "load" when DOM is loaded

```
<!DOCTYPE html>
<html>
<head>
    <title>Jquery</title>

<script src="jquery.js"></script>

</head>
<body>
    <div id="test">
        <p>This is Jquery addClass() method..</p>
    </div>
    <script type="text/javascript">
        $(function(){
            if(document.readyState==='complete'){
                $("#test").addClass('load');
            }
        });
    </script>
</body>
</html>
```

Output:



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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Jquery</title>
```

```
  <script type="text/javascript" src="jquery.js"></script>
```

```
  <style type="text/css">
```

```
    .btn{
```

```
        font-size: 50px;
        margin-top: 20%;
    }

    .wrapper{
        text-align: center;
    }
</style>
</head>
<body>
    <div class="wrapper">
        <button class="btn" value="Brand-new">Jquery attribute Ends With
Selector</button>
    </div>
    <script type="text/javascript">
        $("[value$='-new']").css('background-color','yellow');
    </script>
</body>
</html>
```

Output:

Jquery attribute Ends With Selector

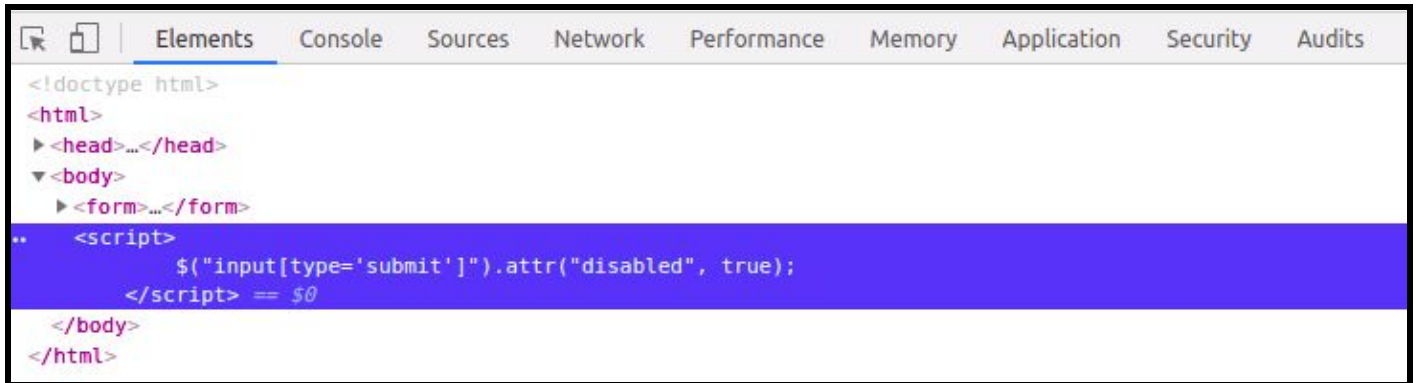
4. Disable submit button using jquery attr method

```
<!DOCTYPE html>
<html>
<head>
  <title>Jquery</title>
  <script src="jquery.js"></script>
  <style type="text/css">
    form{
      text-align: center;
      margin-top: 10%;
    }
  </style>
</head>
<body>
  <form>
    <input type="text" placeholder="Enter any text">
    <input type="submit" name="submit" value="Submit">
  </form>

  <script>
    $("input[type='submit']").attr("disabled", true);
  </script>
</body>
</html>
```

Output:

A screenshot of a web browser displaying a form. The form consists of a text input field with the placeholder text "Enter any text" and a submit button labeled "Submit". The submit button is disabled, indicated by its grayed-out appearance. The entire form is centered on the page.

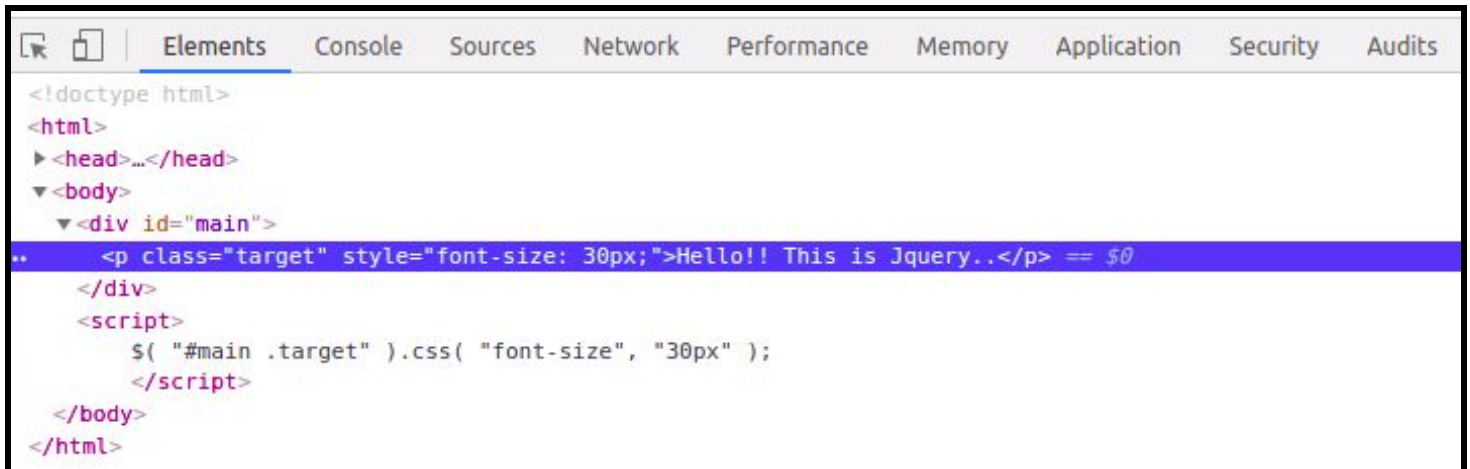


5. Change the font size of ".target" which has parent element with id name "#main"

```
<!DOCTYPE html>
<html>
<head>
  <title>Jquery</title>
  <script src="jquery.js"></script>
  <style type="text/css">
    .target{
      text-align: center;
    }
  </style>
</head>
<body>
  <div id="main">
    <p class="target">Hello!! This is Jquery..</p>
  </div>
  <script>
    $( "#main .target" ).css( "font-size", "30px" );
  </script>
</body>
</html>
```

Output:

Hello!! This is JQuery..



```
<!doctype html>
<html>
  <head>...</head>
  <body>
    <div id="main">
      <p class="target" style="font-size: 30px;">Hello!! This is JQuery..</p> == $0
    </div>
    <script>
      $( "#main .target" ).css( "font-size", "30px" );
    </script>
  </body>
</html>
```

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

<!DOCTYPE html>

<html>

<head>

<script src="jquery.js">

</script>

</head>

<body>

<div id="main">

<p>Hello World!!</p>

</div>

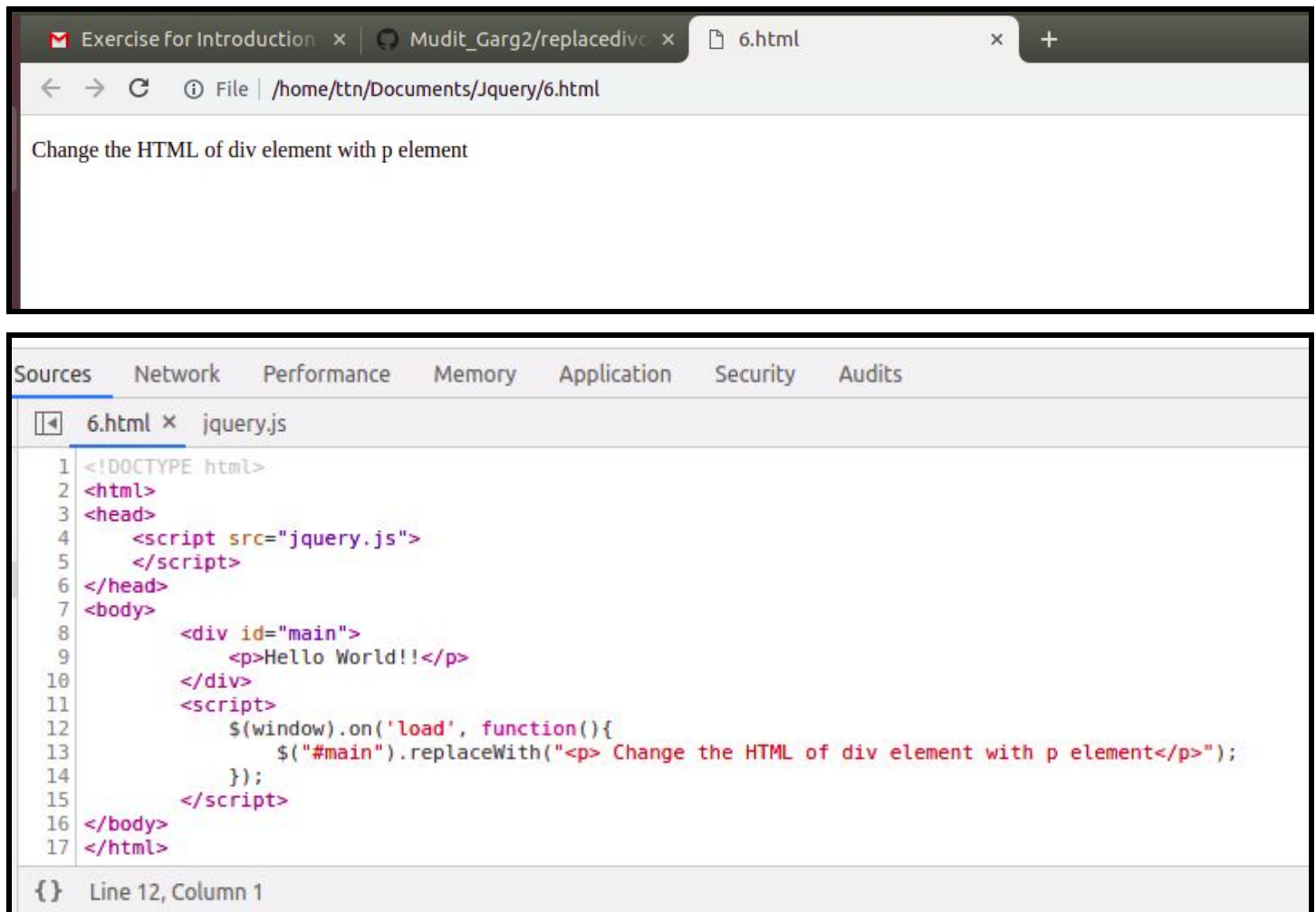
<script>

\$(window).on('load', function(){

**\$("#main").replaceWith("<p> Change the HTML of
div element with p element</p>");**

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

Output:



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

```
<!DOCTYPE html>  
<html>  
<head>  
  <script src="jquery.js">
```



```

        </script>
</head>
<body>
    <div>
        <p><button id="main">Click Here</button></p>
    </div>
    <script>
        $(document).ready(function(){
            var i = 0;
            $("p").on('click','button', function(){
                $("p").append("<button        id='button'+i+'>
button " +i+" from "+ this.id + " </button>");
                i++;
            })
        })
    </script>
</body>
</html>

```

Output:



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

```

<!DOCTYPE html>
<html>
<head>
    <script src="jquery.js">
    </script>

```

```

</head>
<body>
    <div>
        <p><button id="main">Click Here</button></p>
    </div>
    <script>
        $(document).ready(function(){
            var i = 0;
            $("p").on('click','button', function(){
                $("p").append("<button        id='button"+i+"'>
button " +i+" from "+ this.id + " </button>");
                i++;
            })
        })
    </script>
</body>
</html>

```

Output:

Click Here button 0 from main button 1 from button0 button 2 from button1

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

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <script src="jquery.js">
    </script>
    <style>

```

```
select{
  padding:10px;
  margin-top: 100px;
  margin-left: 500px;
}

div{
  margin-top: 20px;
  margin-left: 520px;
}
</style>

</head>
<body>
<select>
  <option> </option>
  <option>F.C. Barcelona</option>
  <option>Juventus</option>
  <option>Real Madrid</option>
  <option>Chelsea</option>
  <option>Manchester United</option>
  <option>Liverpool</option>
  <option>PSG</option>
</select>
<div></div>

<script>
$("select").change(function(){
  var a="";
  $( "select option:selected" ).each(function() {
    a += $(this).text() + " ";
  });
  $( "div" ).html(a);
});
```

```
})  
.change();  
</script>
```

```
</body>  
</html>
```

Output:



10. Create a dropdown menu using hover method in jquery

```
<!DOCTYPE html>  
<html>  
<head>  
  <title>Jquery</title>  
  <script src="jquery.js"></script>  
</head>  
<body>  
<p class = "dropdown"> Hover your mouse here! </p>  
  <ul id = "sub_dropppdown">  
    <li> F.C. Barcelona</li>  
    <li> Juventus</li>  
    <li> Real Madrid</li>  
    <li> PSG</li>  
  </ul>
```

```
<script type="text/javascript">
    $(function(){
    $("#sub_dropdown").hide();
    $(".dropdown").hover(function(){
    $("#sub_dropdown").show();},
    function(){
    $("#sub_dropdown").hide();
    });
    });
</script>
</body>
</html>
```

Output:

Hover your mouse here!

- F.C. Barcelona
- Juventus
- Real Madrid
- PSG

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

```
<!DOCTYPE html>
<html>
<head>
  <script src="jquery.js"></script>
  <style>
    div
    {
      font-size: 30px;
      padding-top:10px;
      text-align: center;
      margin-top: 100px;
    }
  </style>

</head>
<body>
  <div>
    <a href="https://www.google.com/">Google</a>
  </div>
  <script>
    $(document).ready(function(){
      $("a").click(function(e){
        e.preventDefault();
      })
    })
  </script>
</body>
</html>
```

Output:



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

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <script src="jquery.js"></script>
  <style>
    div
    {
      font-size: 30px;
      padding:30px;
    }
  </style>

</head>
<body>
  <div class="parent">
    <p> This is Parent Div..</p>
    <div class="child"><p>This is Child Div..</p></div>
  </div>
```

```
<script>
$(function(){
    $(".parent").on("click", function(){
        alert("The parent div paragraph was clicked.");
    });
    $(".child").on("click", function(e){
        alert("The child div paragraph was clicked.");
        e.stopPropagation();
    });
});
</script>

</body>
</html>
```

Output:

This is Parent Div..

This is Child Div..

This page says

The parent div paragraph was clicked.

OK

This is Parent Div..

This page says

The child div paragraph was clicked.

OK

This is Child Div..

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

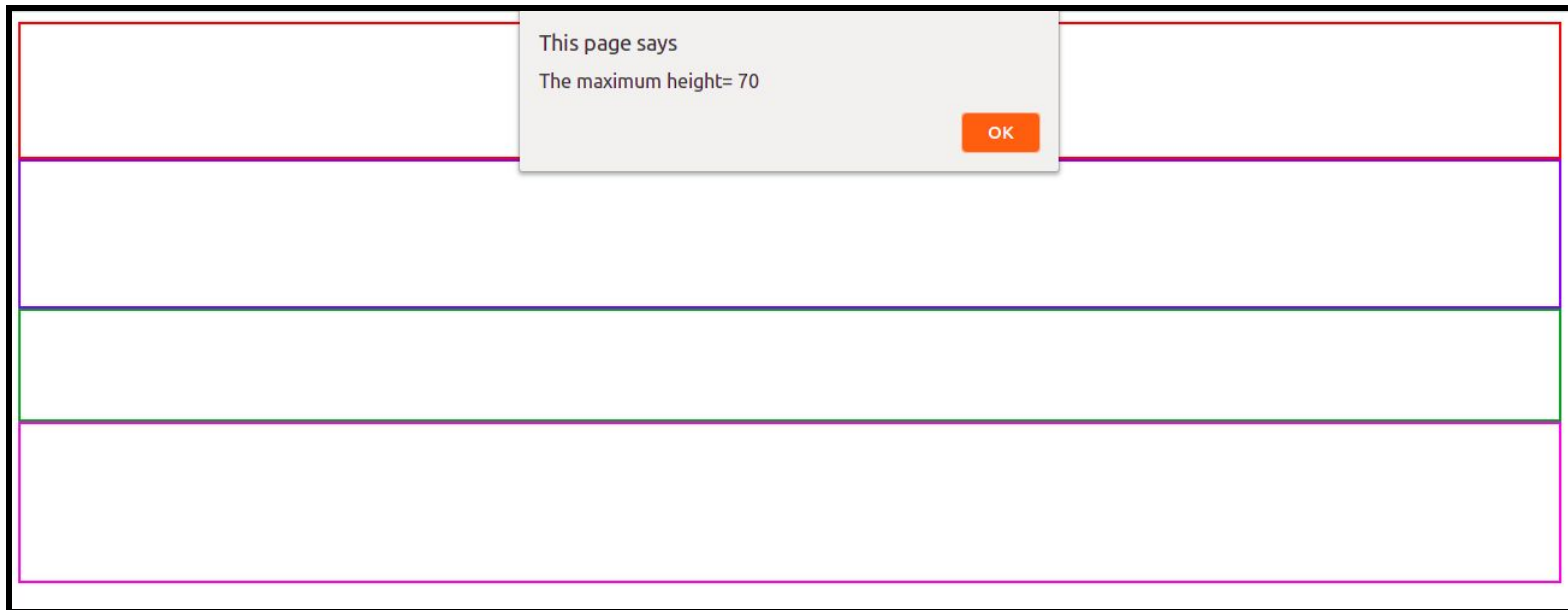
```
<!DOCTYPE html>
<html>
<head>
  <script src="jquery.js">
  </script>
  <style>
    div
    {
      padding:30px;
    }
  </style>

</head>
<body>
  <div style="height:40px;border:2px solid red;"> </div>
  <div style="height:90px;border:2px solid blue;"> </div>
  <div style="height:20px;border:2px solid green;"> </div>
  <div style="height:80px;border:2px solid violet;"> </div>
  <script>
    $(document).ready(function(){
      var maxheight= 0;
```

```
        $("body").children().each(function(){
        var h = $(this).height();
        if(h>=maxheight)
        {
            maxheight=h;
        }
        });
        alert("The maximum height= " + maxheight);
    })

</script>
</body>
</html>
```

Output:



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

```
<!DOCTYPE html>
<html>
<head>
  <script src="jquery.js"></script>
  <style>
    div
    {
      padding:30px;
    }
    .mytable
    {
      padding: 10px;
      border-spacing: 10px;
      font-size:20px;
    }
    .change
    {
      background-color: red;
    }
  </style>

</head>
<body>

  <table class="mytable">
    <tr>
      <td> 6 </td>
      <td> 7 </td>
      <td> 3 </td>
    </tr>
    <tr>
```

```

        <td> 20 </td>
        <td> 1 </td>
        <td> 16 </td>
    </tr>
    <tr>
        <td> 7 </td>
        <td> 90 </td>
        <td> 5 </td>
    </tr>
</table>
<script>
    $(document).ready(function(){
        var count=0;
        $("tr").children().each(function(){
            var num = $(this).text();

            if(num>10)
            {
                this.id="column" + count;
                $('#'+this.id).css({"background-color" :
"yellow"});
                count++;
            }
        })
    })
</script>

</body>
</html>

```

Output:

6	7	3
20	1	16
7	90	5

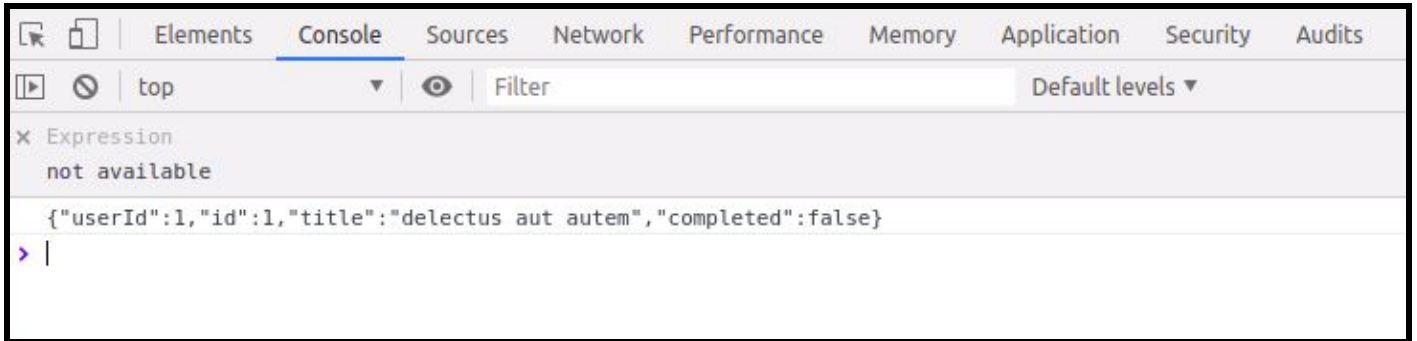
15. Retrive the data from server using ajax get call

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <script src="jquery.js"></script>
  <style>
    div
    {
      padding:30px;
    }
  </style>

</head>
<body>
<script>
$.ajax({
method:'GET',
url:'https://jsonplaceholder.typicode.com/todos/1',
success: function(result) {
  console.log(JSON.stringify(result))
}
})
```

```
</script>
</body>
```

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

```
<!DOCTYPE html>
<html>
<head>
  <script src="jquery.js"></script>
  <style>
    div
    {
      padding:30px;
    }
  </style>

</head>
<body>
  <div>
    <table width="100%" border="2">
      <tr>
        <th> column 1 </th>
        <th> column 2 </th>
```

```

        <th> coulumn 3 </th>
        <th> column 4 </th>
    </tr>
    <tr>
        <th id="th1"> </th>
        <th id="th2"> </th>
        <th id="th3"> </th>
        <th><button> X </button>
    </tr>
</table>
</div>
<div>

</div>

<script>
    $(document).ready(function(){
    $.ajax({
    url:"https://jsonplaceholder.typicode.com/todos/2",
    method:"GET",
    success:function(data){
        console.log(data.userId);
        $("#th1").append(data.userId);
        $("#th2").append(data.id);
        $("#th3").append(data.title);
    },
    error:function(error){
        console.log(error.message);
    }}
    })
    $("button").click(function(){
    var id = $(this).parent().parent() ;
    $.ajax({

```

```
url:"https://jsonplaceholder.typicode.com/todos/"+$(this).parent().prev().prev().text(),
  method:"DELETE",
  success:function(data){
    console.log(this);
    $(id).remove();
  })
})
</script>

</body>
</html>
```

Output:

column 1	column 2	column 3	column 4
1	2	quis ut nam facilis et officia qui	<input type="button" value="X"/>

column 1	column 2	column 3	column 4
----------	----------	----------	----------

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

```
<!DOCTYPE html>
<html>
<head>
<title>Jquery</title>
<script src="jquery.js"></script>
<style>
#imageslider {
opacity: 1;
width: 500px;
height: 200px;
background-color: blueviolet;
}
</style>
</head>

<body>
<div id="imageslider">Please hover here to start slideshow<img
id="slider-image"></div>
<script>
$(document).ready(function () {
var imageArray =
["https://images.pexels.com/photos/459225/pexels-photo-459225.jpeg?auto=compress&cs=tinysrgb&dpr=1&w=500",
"https://images.pexels.com/photos/248797/pexels-photo-248797.jpeg?auto=compress&cs=tinysrgb&dpr=1&w=500",
"https://images.pexels.com/photos/34950/pexels-photo.jpg?auto=compress&cs=tinysrgb&dpr=1&w=500",
"https://images.pexels.com/photos/33109/fall-autumn-red-season.jpg?auto=compress&cs=tinysrgb&dpr=1&w=500"]
$("#imageslider").hover(function () {
```

```
var image = $("#slider-image");
image.animate({ opacity: 0 }, 500, function () {
var random = imageArray[Math.floor(Math.random() * imageArray.length)];
image.attr("src", random);
image.css('opacity', 1);
$("#imageslider").html(image);
})
})
});
</script>
</body>
</html>
```

Output:

Please hover here to start slideshow

