Java Script Exercises:

Q 1. Here is a sample html file with a submit button. Now modify the style of the paragraph text through javascript code.

Sample HTML file :

```
<!DOCTYPE html>
<html>
<head>
<meta charset=utf-8 />
<title>Style picker</title>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.4.2/jquery.min.js"></script>

<style>
  .bordered {
    width: 400px;
    height: 150px;
    padding: 20px;
    border: 10px solid yellowgreen;
  }
</style>

</head>

<body>
<br><br>
<center>

<div class="bordered">

<p class="data" id="liveh1" style="background: #0AD5CE;display: table; /* keep the background
color wrapped tight */
    margin: 0px auto 0px auto; /* keep the table centered */
    padding:5px;font-size:20px;background-color:skyblue;
  ">Modify Me </p>
<br>
<label for="color_for_p_element">Color:</label>

<input type="color" value="black" id="color_for_p_element">
Font Size &nbsp<input type="button" value="increase"
class="increaseFont"></input>&nbsp<input type="button" value="decrease"
class="decreaseFont"></input>
<br><br>
Font Family <select id="selecth1FontFamily" name="selectFontFamily"
onchange="updateh1family();">
    <option> Serif </option>
    <option> Arial </option>
    <option> Sans-Serif </option>
    <option> Times New Roman</option>
```

```html
    <option> Tahoma </option>
    <option> Verdana </option>
    <option> Lucida Sans Unicode </option>
  </select>


</div>
</center>
<script type="text/javascript">

var color_for_p_element;
var defaultColor = "black";

window.addEventListener("load", startup, false);


function startup()
{
  color_for_p_element = document.querySelector("#color_for_p_element");
  color_for_p_element.value = defaultColor;
  color_for_p_element.addEventListener("input", updateFirst, false);
  color_for_p_element.addEventListener("change", updateAll, false);
  color_for_p_element.select();
}


function updateFirst(event)
{
  var p = document.querySelector("p");

  if (p) {
    p.style.color = event.target.value;
  }
}

$(document).ready(function(){
  $(".increaseFont,.decreaseFont").click(function(){
  var type=  $(this).val();
   var curFontSize = $('.data').css('font-size');
   if(type=='increase'){
    $('.data').css('font-size', parseInt(curFontSize)+1);
    }
   else{
    $('.data').css('font-size', parseInt(curFontSize)-1);
   }

    });


 });

    function updateh1family() {
```
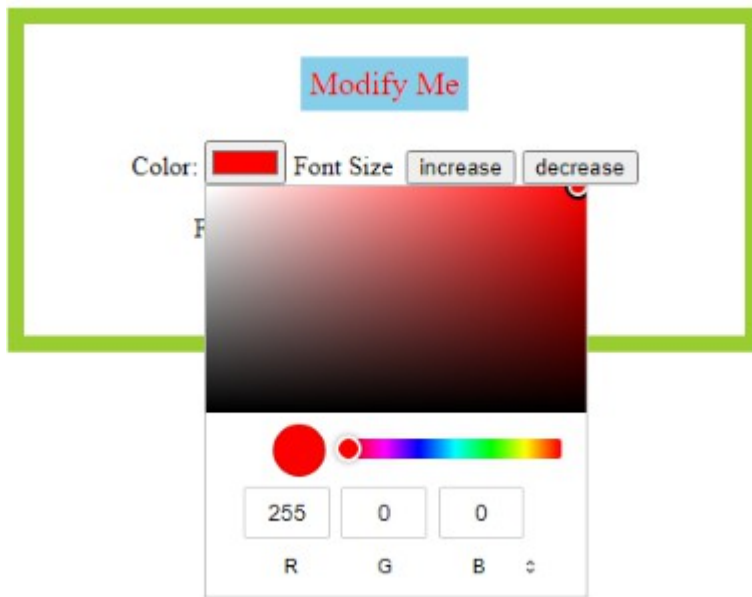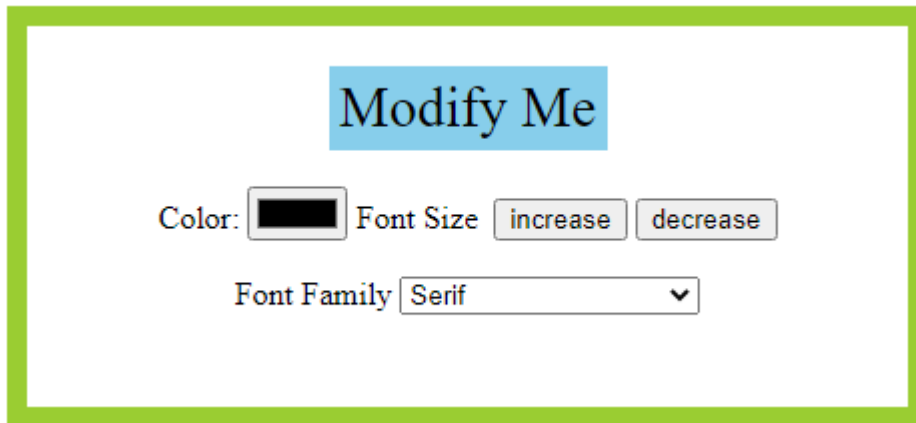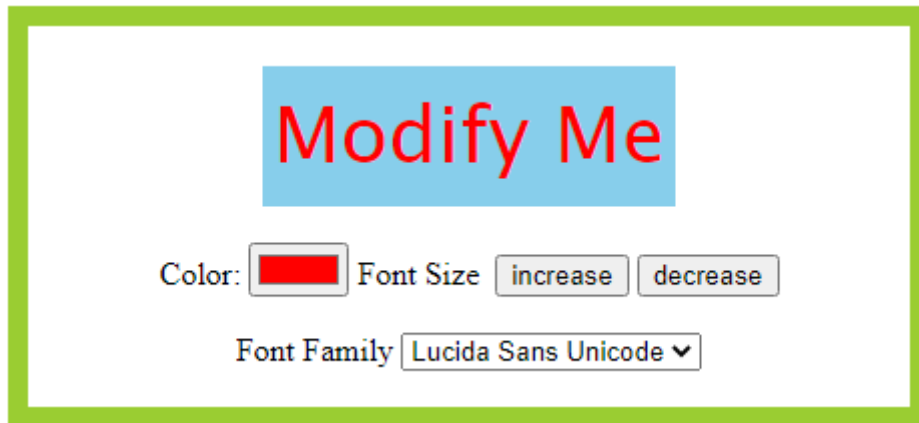
```
        var selector = document.getElementById('selecth1FontFamily');
        var family = selector.options[selector.selectedIndex].value;
        var h1 = document.getElementById('liveh1')
        h1.style.fontFamily = family;
      }
</script>

</body>
</html>
```

Output:

Q 2. Write a JavaScript function to get the values of First and Last name of the following form.

```
<!DOCTYPE html>
<html>
<head>
   <title>Details</title>
   <script type="text/javascript"></script>
<style>
 .bordered {
   width: 400px;
   height: 150px;
   padding: 20px;
   border: 10px solid yellowgreen;
 }

</style>

</head>

<body onload="load()" >
<center>
<div id="myform" class="bordered"">
<b>Enter details</b>
<br><br>
<form>
<table>
   <tr>
     <td>First Name:</td>
     <td><input type="text" id="fname"></td>
   </tr>
   <tr>
     <td>Last Name</td>
     <td><input type="text" id="lname">
   </tr>
   <tr>
```

```html
      <td>E-Mail:</td>
      <td><input type="mail" id="email"></td>

   </tr>

   <tr>
      <td> </td>
      <td> </td>
   </tr>
</table>
<input type="button" id="add" value="Add" onclick="Javascript:addRow()"></td>
<input type="reset" value="reset"></td>
<br>
<br><br>
</div>

</form>
<br><br>
<div id="mydata" class="bordered">
<b>The details are as follows...</b><br><br>
<table id="myTableData"  border="1" cellpadding="3">
   <tr>
      <td><b>First Name</b></td>
      <td><b>Last Name</b></td>
      <td><b>E-Mail</b></td>
      <td>Drop?</td>

   </tr>
</table>
 

</div>
</center>
<script type="text/javascript">
   function addRow() {

   var fname = document.getElementById("fname");
   var lname = document.getElementById("lname");
   var email = document.getElementById("email");

   var table = document.getElementById("myTableData");

   var rowCount = table.rows.length;
   var row = table.insertRow(rowCount);

   row.insertCell(0).innerHTML= fname.value;
   row.insertCell(1).innerHTML= lname.value;
   row.insertCell(2).innerHTML= email.value;
   row.insertCell(3).innerHTML= '<input type="button" value = "Delete"
onClick="Javacsript:deleteRow(this)">';
```

```
}
function deleteRow(obj)
{

    var index = obj.parentNode.parentNode.rowIndex;
    var table = document.getElementById("myTableData");
    table.deleteRow(index);

}
myTableDiv.appendChild(table);


function load()
{
    console.log("Page load finished");
}
</script>

</body>
</html>
```

Output:

Enter details

First Name: [   ]
Last Name [   ]
E-Mail: [   ]

[Add] [reset]

The details are as follows...

First Name	Last Name	E-Mail	Drop?

Enter details

First Name:	David
Last Name	Beckham
E-Mail:	david@gmail.com

[Add] [reset]

The details are as follows...

First Name	Last Name	E-Mail	Drop?
David	Beckham	david@gmail.com	[Delete]

Q 5. Write a JavaScript function to get the value of the href, hreflang, rel, target, and type attributes of the specified link.

```
<!DOCTYPE html>
<html>
<head>
<meta charset=utf-8 />
<title>Collect the value of href, hreflang, rel, target, and type attributes of a link</title>
</head>
<body>
<p><a id="w3r" type="text/html" hreflang="en-us" rel="nofollow" target="_self"
href="https://www.facebook.com">Facebook</a></p>
<button onclick="getAttributes()">Click here to get the attribute's value</button>
<script type="text/javascript">
function getAttributes()
{
 var u = document.getElementById("w3r").href;
 alert('The value of the href attribute of the link is : '+u);
 var v = document.getElementById("w3r").hreflang;
 alert('The value of the hreflang attribute of the link is : '+v);
 var w = document.getElementById("w3r").rel;
 alert('The value of the rel attribute of the link is : '+w);
 var x = document.getElementById("w3r").target;
 alert('The value of the taget attribute of the link is : '+x);
```

```
 var y = document.getElementById("w3r").type;
  alert('The value of the type attribute of the link is : '+y);
}
</script>
</body>
</html>
```

Facebook

Click here to get the attribute's value

This page says

The value of the href attribute of the link is : https://www.facebook.com/

OK

This page says

The value of the hreflang attribute of the link is : en-us

OK

This page says

The value of the rel attribute of the link is : nofollow

OK

This page says

The value of the taget attribute of the link is : _self

OK

This page says

The value of the type attribute of the link is : text/html

OK