Assignment

(A) Demonstrate array sort()

Input:

```html
<!DOCTYPE html>

<html>

	<body>

		<script>

			//Arrange Names in Ascending order

			let names=["Yatri","Yuvraj","Sanju","Kesha","Akash"];

			document.write("<br> Original Array: "+names);

			names.sort();

			document.write("<br> Ascending arrangement: "+ names);

			//Arrange Names in descending order

			names=["Yatri","Yuvraj","Sanju","Kesha","Akash"];

			names.sort();

			names.reverse();

			document.write("<br> Descending arrangement: "+ names);

		</script>

	</body>

</html>
```

Output:

Original Array: Yatri,Yuvraj,Sanju,Kesha,Akash
Ascending arrangement: Akash,Kesha,Sanju,Yatri,Yuvraj
Descending arrangement: Yuvraj,Yatri,Sanju,Kesha,Akash

Input:

```
<script>

        let numbers=[8,50,9,90,80,15,115];

        document.write("<br> Original Numbers: "+numbers);

        numbers.sort();

        document.write("<br> Ascending arrangement: "+ numbers);

</script>

        </body>

</html>
```

Output:

Original Numbers: 8,50,9,90,80,15,115
Ascending arrangement: 115,15,50,8,80,9,90

Input:

```
<script>
            let numbers=[8,50,9,90,80,15,115];

            numbers.sort(function(a,b){return a-b});

            document.write("<br> Ascending arrangement: "+ numbers);


            numbers=[8,50,9,90,80,15,115];

            numbers.sort(function(a,b){return b-a});

            document.write("<br> Descending arrangement: "+ numbers);

      </script>

   </body>

</html>
```

Output:

Ascending arrangement: 8,9,15,50,80,90,115
Descending arrangement: 115,90,80,50,15,9,8

Input:

<!DOCTYPE html>

<html>

       <body>

              <script>

                     function compare(a,b)

                     {

                            return a.length-b.length;

                     }

                     names=["Yatri","Yuvraj","Ram","Kesha","Akash"];

                     document.write("
 Original Names: "+ names);

                     names.sort(compare);

                     document.write("
 Names According to Name lenght(Ascending order): " +names);

              </script>

       </body>

</html>

Output:

Original Names: Yatri,Yuvraj,Ram,Kesha,Akash
Names According to Name lenght(Ascending order): Ram,Yatri,Kesha,Akash,Yuvraj

Input:

<html>

    <script>

        let Students = ["Yahan","Yatri","kesha","Sumit"];

        document.writeln("Original Students Array :"+ Students +"<br>");

        let deletedstu=Students.splice(1,2,"Yuvi","Rima");

        document.writeln("After Adding new students :" +Students);

        document.writeln("Deleted Students :" +deletedstu);

    </script>

</html>

Output:

Original Students Array :Yahan,Yatri,kesha,Sumit
After Adding new students :Yahan,Yuvi,Rima,Sumit Deleted Students :Yatri,kesha

Input:

```html
<html>
	<script>


		let Students = ["Yahan","Yatri","kesha","Sumit"];

		document.writeln("Original Students Array :"+ Students +"<br>");

		let deletedstu=Students.slice(1,3);


		document.writeln("After deleting students :" +Students);

		document.writeln("Deleted Students :" +deletedstu);


	</script>
</html>
```

Output:

Original Students Array :Yahan,Yatri,kesha,Sumit
After deleting students :Yahan,Yatri,kesha,Sumit Deleted Students :Yatri,kesha

(b) Demonstrate Button click event.

Input:

```html
<!DOCTYPE html>

<html>

        <body>

                <h2>The onclick Event</h2>


                <button onclick="myFunction()">Click me</button>


                <p id="demo"></p>


                <script>

                        function myFunction()

                        {

                                document.getElementById("demo").innerHTML = "Hello World";

                        }

                </script>

        </body>

</html>
```

Output: