



JavaScript/Dom

Long Course: Week 4

INSTRUCTOR
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1. Date & Time display on HTML using JS with a refresh/timeout property

Without Refresh:

Html Code

```
<h3 id="date"></h3>
```

JS Code

```
var d = new Date();  
var n = d.toLocaleTimeString();  
document.getElementById("date").innerHTML = n;
```

1. Date & Time display on HTML using JS with a refresh/timeout property

With Refresh:

Html & JS Code

```
• <body onLoad="dateDisplay()">
•   <h1 id="displaydateid"></h1>
•
•   <script>
•       function dateRefresh(){
•           var refresh = 1000; // Refresh rate in milli seconds
•           var mytimeout = setTimeout('dateDisplay()', refresh)
•       }
•
•       function dateDisplay() {
•           var datevariable = new Date()
•           document.getElementById('displaydateid').innerHTML = datevariable
•           dateRefresh();
•       }
•   </script>
• </body>
```

2. Dynamically changing Html body element behaviour using JS

Html Code

- `<body id="bodycolor">`
- `<button onclick="changeColor('red')">Red</button>`
- `<button onclick="changeColor('blue')">Blue</button>`
- `<button onclick="changeColor('yellow')">Yellow</button>`
- `<input type="text" id="getcolor">`
- `<button onclick="changeColor2()">Enter</button>`
- `</body>`

2. Dynamically changing Html body element behaviour using JS

JS Code

- *//We can use parameters to have only one function for same purpose or we can use an input*
- *//Using parameters*
- `function changeColor(color){`
- `document.getElementById("bodycolor").style.backgroundColor = color;`
- `}`
- *//Using input*
- `function changeColor2(){`
- `var getcolor = document.getElementById("getcolor").value`
- `document.getElementById("bodycolor").style.backgroundColor = getcolor`
- `}`

3. Redirect to a webpage using JS

Html Code

```
<button onClick="goHone()">GO HOME</button>
```

JS Code

```
<script>  
    function goHone(){  
        window.location.href = "index.html";  
    }  
</script>
```

4. Html element visibility based on a selection using JS

Html Code

- `<div>`
- `<div>`
- `<p>Have you written Jamb?</p>`
- `<select name="" id="jambstatus" onchange="showOrHide(this.value);">`
- `<option></option>`
- `<option value="Yes">Yes</option>`
- `<option value="No">No</option>`
- `</select>`
- `</div>`
- `<div id="jambscore">`
- `<p>What was your score?</p>`
- `<input type="number" placeholder="Enter Jamb score">`
- `</div>`
- `</div>`

4. Html element visibility based on a selection using JS

JS Code

- `document.getElementById("jambscore").style.display = 'none';`
-
- `function showOrHide(){`
- `var jambstatus = document.getElementById("jambstatus").value;`
-
- `if(jambstatus === "Yes"){`
- `document.getElementById("jambscore").style.display = 'block';`
- `}else {`
- `document.getElementById("jambscore").style.display = 'none';`
- `}`
- `}`

CLASS WORK

Display Nigerian
States or America
states based on the
country selected –
either Nigeria or
America