**Tutorial 2 – JavaScript**

1. Create a JavaScript program to display the date and time of a client computer?

<!DOCTYPE html>

<html>

<head>

</head>

<body>

<p id="datetime"></p>

<script>

function displayDateTime() {

const dateTime = new Date();

const options = { weekday: 'long', year: 'numeric', month: 'long', day: 'numeric', hour: 'numeric', minute: 'numeric', second: 'numeric', timeZoneName: 'short' };

const formattedDateTime = dateTime.toLocaleDateString('en-US', options);

document.getElementById("datetime").textContent = "Current Date and Time: " + formattedDateTime;

}

displayDateTime();

</script>

</body>

</html>

1. Using JavaScript enable/disable the embedded video ? (The video should play when the mouse is over the video)

<!DOCTYPE html>

<html>

<head>

<style>

video {

cursor: pointer;

}

</style>

</head>

<body>

<video id="myVideo" width="320" height="240" controls>

<source src="video1.mp4" type="video/mp4">

Your browser does not support the video tag.

</video>

<script>

const videoElement = document.getElementById("myVideo");

videoElement.addEventListener("mouseover", function() {

videoElement.play();

});

videoElement.addEventListener("mouseout", function() {

videoElement.pause();

});

</script>

</body>

</html>

1. Write a JavaScript function to add rows to a table.

<!DOCTYPE html>

<html>

<head>

</head>

<body>

<table id="myTable" border="1">

<tr>

<th>Column 1</th>

<th>Column 2</th>

</tr>

</table>

<button onclick="addRow()">Add Row</button>

<script>

function addRow() {

const table = document.getElementById("myTable");

const newRow = table.insertRow();

const cell1 = newRow.insertCell(0);

const cell2 = newRow.insertCell(1);

cell1.innerHTML = "New Cell 1";

cell2.innerHTML = "New Cell 2";

}

</script>

</body>

</html>

1. Write a JavaScript program to remove items from a dropdown list.

<!DOCTYPE html>

<html>

<head>

</head>

<body>

<select id="myDropdown">

<option value="item1">Item 1</option>

<option value="item2">Item 2</option>

<option value="item3">Item 3</option>

<option value="item4">Item 4</option>

<option value="item5">Item 5</option>

</select>

<button onclick="removeSelectedItem()">Remove Selected Item</button>

<script>

function removeSelectedItem() {

const dropdown = document.getElementById("myDropdown");

const selectedOption = dropdown.options[dropdown.selectedIndex];

if (selectedOption) {

dropdown.remove(selectedOption.index);

}

}

</script>

</body>

</html>

1. Write a JavaScript program to change the border of a table.

<!DOCTYPE html>

<html>

<head>

</head>

<body>

<table id="myTable" border="1">

<tr>

<th>Column 1</th>

<th>Column 2</th>

</tr>

<tr>

<td>Data 1</td>

<td>Data 2</td>

</tr>

</table>

<button onclick="changeTableBorder()">Change Table Border</button>

<script>

function changeTableBorder() {

const table = document.getElementById("myTable");

table.style.border = "2px solid red";

}

</script>

</body>

</html>