**Module 11 : Javascript BOM and DOM**

**1. Create a program to hide/show the password**

ANS:-

password: <input type="password" value="FakePSW" id="myInput"><br><br>

<input type="checkbox" onclick="myFunction()">Show Password

<script>

function myFunction() {

var x = document.getElementById("myInput");

if (x.type === "password") {

x.type = "text";

} else {

x.type = "password";

}

}

</script>

**2. Create a program that will select all the classes and loop over and whenever i click the button the alert should show**

ANS:-

const buttonsContainer = document.getElementById("buttonsContainer");

for (var i = 0; i < 5; i++) {

const button = document.createElement("button");

button.innerText = i;

button.addEventListener("click", function() {

console.log(i)

})

buttonsContainer.appendChild(button);

}

**3. Create a responsive header using proper JavaScript**

ANS:-

const hamburger = document.querySelector(".hamburger");

const navLinks = document.querySelector(".nav-links");

const links = document.querySelectorAll(".nav-links li");

hamburger.addEventListener('click', ()=>{

//Links

navLinks.classList.toggle("open");

links.forEach(link => {

link.classList.toggle("fade");

});

//Animation

hamburger.classList.toggle("toggle");

});

**4. Create a form and validate using JavaScript**

ANS:-

<!DOCTYPE html>

<html>

<head>

<script>

function validateForm() {

let x = document.forms["myForm"]["fname"].value;

if (x == "") {

alert("Name must be filled out");

return false;

}

}

</script>

</head>

<body>

<h2>JavaScript Validation</h2>

<form name="myForm" action="/action\_page.php" onsubmit="return validateForm()" method="post">

Name: <input type="text" name="fname">

<input type="submit" value="Submit">

</form>

</body>

</html>

**5. Create a modal box using css and Js with three buttons**

ANS:-

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<style>

body {font-family: Arial, Helvetica, sans-serif;}

/\* The Modal (background) \*/

.modal {

display: none; /\* Hidden by default \*/

position: fixed; /\* Stay in place \*/

z-index: 1; /\* Sit on top \*/

padding-top: 100px; /\* Location of the box \*/

left: 0;

top: 0;

width: 100%; /\* Full width \*/

height: 100%; /\* Full height \*/

overflow: auto; /\* Enable scroll if needed \*/

background-color: rgb(0,0,0); /\* Fallback color \*/

background-color: rgba(0,0,0,0.4); /\* Black w/ opacity \*/

}

/\* Modal Content \*/

.modal-content {

background-color: #fefefe;

margin: auto;

padding: 20px;

border: 1px solid #888;

width: 80%;

}

/\* The Close Button \*/

.close {

color: #aaaaaa;

float: right;

font-size: 28px;

font-weight: bold;

}

.close:hover,

.close:focus {

color: #000;

text-decoration: none;

cursor: pointer;

}

</style>

</head>

<body>

<h2>Modal Example</h2>

<!-- Trigger/Open The Modal -->

<button id="myBtn">Open Modal</button>

<!-- The Modal -->

<div id="myModal" class="modal">

<!-- Modal content -->

<div class="modal-content">

<span class="close">&times;</span>

<p>Some text in the Modal..</p>

</div>

</div>

<script>

// Get the modal

var modal = document.getElementById("myModal");

// Get the button that opens the modal

var btn = document.getElementById("myBtn");

// Get the <span> element that closes the modal

var span = document.getElementsByClassName("close")[0];

// When the user clicks the button, open the modal

btn.onclick = function() {

modal.style.display = "block";

}

// When the user clicks on <span> (x), close the modal

span.onclick = function() {

modal.style.display = "none";

}

// When the user clicks anywhere outside of the modal, close it

window.onclick = function(event) {

if (event.target == modal) {

modal.style.display = "none";

}

}

</script>

</body>

</html>

**6. Use external js library to show slider**

ANS:-

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

<script type="text/javascript" src="/static/noUiSlider/jquery.nouislider.all.min.js"></script>

<script type="text/javascript" src="/static/js/materialize.min.js"></script>

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

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

<div id="slider-med" class="slider-success"></div><input type="text" id="med-value" value="0"/>

$( document ).ready(function() {

$('#slider-med').noUiSlider({

connect: 'lower',

start: [ 4 ],

step: 1,

range: {

'min': [ 0 ],

'max': [ 5 ]

},

format: wNumb({

decimals: 0

})

});

});

**7. Prevent the browser when i click the form submit button**

ANS:-

function addItem() {

var v = $('form :hidden:last').attr('name');

var n = /(.\*)input/.exec(v);

var newPrefix;

if (n[1].length == 0) {

newPrefix = '1';

} else {

newPrefix = parseInt(n[1]) + 1;

}

var oldElem = $('form tr:last');

var newElem = oldElem.clone(true);

var lastHidden = $('form :hidden:last');

lastHidden.val(newPrefix);

var pat = '=\"' + n[1] + 'input';

newElem.html(newElem.html().replace(new RegExp(pat, 'g'), '=\"' + newPrefix + 'input'));

newElem.appendTo('table');

$('form :hidden:last').val('');

}

function removeItem() {

var rows = $('form tr');

if (rows.length > 2) {

rows[rows.length - 1].html('');

$('form :hidden:last').val('');

} else {

alert('Cannot remove any more rows');

}

}

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/1.3.2/jquery.min.js"></script>

<html>

<body>

<form autocomplete="off" method="post" action="">

<p>Title:<input type="text" /></p>

<button onclick="addItem(); return false;">Add Item</button>

<button onclick="removeItem(); return false;">Remove Last Item</button>

<table>

<th>Name</th>

<tr>

<td><input type="text" id="input1" name="input1" /></td>

<td><input type="hidden" id="input2" name="input2" /></td>

</tr>

</table>

<input id="submit" type="submit" name="submit" value="Submit">

</form>

</body>

</html>