**MODULE: 3 (Document, Event and Controls)**

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

**Ans:**

<p>Click the radio button to toggle between password visibility:</p>

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>

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

**Ans.**

<body>

<div id="buttonsContainer"></div>

<script>

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);

}

</script>

</body>

**Question 3:-** Create a responsive header using proper JavaScript

**Ans:**

<body>

<header class="header">

<div class="container">

<div class="row-wrap">

<div class="logo-wrap">

<span class="logo">LOGO</span>

</div>

<div class="nav-wrap">

<ul class="nav-list">

<li class="active"><a href="#">About-us</a></li>

<li><a href="#">Contact-us</a></li>

<li class="with-submenu">

<a href="#">Blog</a>

<div class="submenu">

<ul class="submenu-inner">

<li><a href="#">Link1</a></li>

<li><a href="#">Link2</a></li>

<li><a href="#">Link3</a></li>

</ul>

</div>

</li>

</ul>

</div>

<div class="hamburger">

<span class="line"></span>

<span class="line"></span>

<span class="line"></span>

</div>

</div>

</div>

</header>

<div class="overlay"></div>

<script>

function header\_adj() {

if ($(window).width() < 767) {

var header\_height = $(".header").outerHeight();

$(".nav-wrap .nav-list").css({ "padding-top": header\_height + "px" });

} else {

$(".nav-wrap .nav-list").css({ "padding-top": "0" });

}

}

function submenu\_toggle() {

if ($(window).width() < 767) {

$(".nav-list li.with-submenu")

.off()

.click(function () {

$(this).toggleClass("is-open");

$(".submenu").slideToggle("slow");

});

}

}

$(document).ready(function () {

header\_adj();

submenu\_toggle();

if ($(window).width() < 767) {

$(".hamburger").click(function () {

$(this).toggleClass("is-active");

$("body,html").toggleClass("sidebar-open");

$(".nav-wrap").toggleClass("is-open");

});

$(".overlay").click(function () {

$(".hamburger").removeClass("is-active");

$("body,html").removeClass("sidebar-open");

$(".nav-wrap").removeClass("is-open");

});

} else {

$(".hamburger").removeClass("is-active");

$("body,html").removeClass("sidebar-open");

$(".nav-wrap").removeClass("is-open");

}

});

$(window).on("resize", function () {

header\_adj();

submenu\_toggle();

if ($(window).width() < 767) {

$(".hamburger").click(function () {

$(this).toggleClass("is-active");

$("body,html").toggleClass("sidebar-open");

$(".nav-wrap").toggleClass("is-open");

});

$(".overlay").click(function () {

$(".hamburger").removeClass("is-active");

$("body,html").removeClass("sidebar-open");

$(".nav-wrap").removeClass("is-open");

});

} else {

$(".hamburger").removeClass("is-active");

$("body,html").removeClass("sidebar-open");

$(".nav-wrap").removeClass("is-open");

}

});

</script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

</body>

**Question 4:-** Create a form and validate using JavaScript

**Ans:**

<style>

\*{

margin: 0;

padding: 0;

box-sizing: border-box;

}

form{

display: flex;

justify-content: center;

align-items: center;

background-color: antiquewhite;

}

table{

width: 60%;

padding: 60px;

}

tr{

border-bottom: 1px solid black;

}

td{

width: 5%;

padding: 10px 20px;

}

.in\_size{

width: 300px;

padding: 3px;

}

#btn{

padding: 10px;

background-color: green;

color: white;

cursor: pointer;

border: none;

border-radius: 5px;

}

#address{

height: 100px;

}

</style>

</head>

<body>

<form action="aget-method.php" id= "user-form" method="get" >

<table >

<tr>

<td><label>First Name:</label></td>

<td><input type="text" id="firstname" class="in\_size" name="field" autocomplete="off" autofocus="autofocus" required> <br><span id="firstNameCheck"></span></td>

</tr>

<tr>

<td><label>Last Name:</label></td>

<td><input type="text" id="lastname" name="field" class="in\_size" autocomplete="off" autofocus="autofocus" required> <br><span id="lastNameCheck"></span></td>

</tr>

<tr>

<td><label>Email:</label></td>

<td><input type="text" id="email" name="field" class="in\_size" autocomplete="off" autofocus="autofocus" required>

<br> <span id="emailCheck"></span> </td>

</tr>

<tr>

<td><label>Mobile:</label></td>

<td><input type="tel" id="mobile" name="Mobile" class="in\_size" autocomplete="off" autofocus="autofocus" required> <br><span id="mobileCheck"></span></td>

</tr>

<tr>

<td><label>Gender:</label></td>

<td><input type="radio" name="gender" >Male &nbsp; <input type="radio" name="gender" >Female &nbsp; <span id="genderCheck"></span></td>

<td></td>

</tr>

<tr>

<td><label >Date Of Birth:</label></td>

<td><input type="date" class="in\_size" ><br> </td>

</tr>

<tr>

<td><label >Address:</label></td>

<td><textarea name="address" id="address" class="in\_size" autocomplete="off" autofocus="autofocus" required></textarea><br> <span id="addressCheck"></span></td>

</tr>

<tr>

<td> <label>City:</label></td>

<td> <input type="text" id="city" class="in\_size" autocomplete="off" autofocus="autofocus" required>

<br><span id="cityCheck"></span></td>

</tr>

<tr>

<td> <label >Area Pin:</label></td>

<td> <input type="text" id="pin" class="in\_size"autocomplete="off" autofocus="autofocus" required>

<br>

<span id="pinCheck"></span></td>

</tr>

<tr>

<td> <label >State:</label></td>

<td> <input type="text" id="state" class="in\_size"autocomplete="off" autofocus="autofocus" required><br>

<span id="stateCheck" ></span></td>

</tr>

<tr>

<td> <label >Qualification</label></td>

<td> <select name="Qualification" id="Qualification" >

<option value="Select Qualification">Select Qualification </option>

<option value="B.com">B.com</option>

<option value="B.sc">B.sc</option>

<option value="B.E">B.E</option>

<option value="B.A">B.A</option>

<option value="">B.A</option>

</select></td>

</tr>

<tr>

<td><label class="specialization" >Specialization</label></td>

<td>

<input type="radio" name="box" >Computer Science <br>

<input type="radio" name="box" >Information Technology <br>

<input type="radio" name="box" >Computer Architecture <br>

<input type="radio" name="box" >Tele Communication

</td>

</tr>

<tr>

<td><Label>Password:</Label></td>

<td><input type="password" id="password" class="in\_size" autocomplete="off" autofocus="autofocus" required><br>

<span id="pswCheck"></span></td>

</tr>

<tr>

<td>

<input type="submit" onclick=" return validation()"value="Registered" id="btn">

</td>

</tr>

</table>

</form>

<script>

var user= document.getElementById('firstname');

var userLast = document.getElementById('lastname');

var emailId = document.getElementById('email');

var tele = document.getElementById('mobile');

var ad = document.getElementById('address');

var town = document.getElementById('city');

var states = document.getElementById('state');

var pCode = document.getElementById('pin');

var psw = document.getElementById('password');

user.addEventListener('blur', checkName);

userLast.addEventListener('blur', checkLname);

emailId.addEventListener('blur', checkEmail);

tele.addEventListener('blur', checkTel);

ad.addEventListener('blur', checkAd);

town.addEventListener('blur', checkTown);

pCode.addEventListener('blur', checkPin);

states.addEventListener('blur', checkState);

psw.addEventListener('blur', checkPSW);

function checkName() {

var uName = user.value.trim();

if (uName == '') {

document.getElementById('firstNameCheck').innerHTML = "\*\* Enter your name please..."

return false;

}

var exp = /^[A-Za-z]{3,6}$/;

if (!exp.test(uName)) {

document.getElementById('firstNameCheck').innerHTML = "\*\* Only Alphabets, Numbers and Underscore and between 3 to 10 characters."

}

else{

document.getElementById('firstNameCheck').innerHTML = ""

}

return true;

}

function checkLname(){

var lName = userLast.value.trim();

if (lName == '') {

document.getElementById('lastNameCheck').innerHTML = "\*\* Enter your last name please..."

return false;

}

var exp = /^[A-Za-z]{3,6}$/;

if (!exp.test(lName)) {

document.getElementById('lastNameCheck').innerHTML = "\*\* Only Alphabets, Numbers and Underscore and between 3 to 10 characters."

} else{

document.getElementById('lastNameCheck').innerHTML = ""

}

return true;

}

function checkEmail(){

var e\_mail = emailId.value.trim();

if (e\_mail == '') {

document.getElementById('emailCheck').innerHTML = "\*\* Enter your valid email address..."

return false;

}

var exp =/^([a-zA-Z0-9\_\.\-])+\@(([a-zA-Z0-9\-])+\.)+([a-zA-Z0-9]{2,4})+$/;

if (!exp.test(e\_mail)) {

document.getElementById('emailCheck').innerHTML = "\*\* invalid email"

} else{

document.getElementById('emailCheck').innerHTML = ""

}

return true;

}

function checkTel(){

var telephone = tele.value.trim();

if (telephone == '') {

document.getElementById('mobileCheck').innerHTML = "\*\* Enter your phone number..."

return false;

};

var exp =/^[6789]{1}[0-9]{9}$/;

if (!exp.test(telephone)) {

document.getElementById('mobileCheck').innerHTML = "\*\*invalid mobile number..."

} else{

document.getElementById('mobileCheck').innerHTML = ""

}

return true;

}

function checkAd(){

var ads = ad.value.trim();

if (ads == '') {

document.getElementById('addressCheck').innerHTML = "\*\* Enter your address..."

return false;

}

var exp = /^[A-Za-z0-9]{8,}$/;

if (!exp.test(ads)) {

document.getElementById('addressCheck').innerHTML = "\*\* invalid address"

}else{

document.getElementById('addressCheck').innerHTML = "";

}

return true;

}

function checkTown(){

var tw = town.value.trim();

if (tw== '') {

document.getElementById('cityCheck').innerHTML = "\*\* Enter your city name..."

return false;

}

var exp = /^[A-Za-z]{2,}$/;

if(!exp.test(tw)){

document.getElementById('cityCheck').innerHTML = "invalid city name..."

}else{

document.getElementById('cityCheck').innerHTML = ""

}

return true;

}

function checkPin(){

var code = pCode.value.trim();

if (code == '') {

document.getElementById('pinCheck').innerHTML = "\*\* Enter your are pincode..."

return false;

}

var exp =/^[1-9][0-9]{5}$/ ;

if (!exp.test(code)) {

document.getElementById('pinCheck').innerHTML = "\*\* invalid pin"

} else{

document.getElementById('pinCheck').innerHTML = ""

}

return true;

}

function checkState(){

var st = states.value.trim();

if (st == '') {

document.getElementById('stateCheck').innerHTML = "\*\* Enter your state..."

return false;

}

var exp = /^[A\_Za-z]{3,}$/

if(!exp.test(st)){

document.getElementById('stateCheck').innerHTML = "\*\*invalid input..."

}else{

document.getElementById('stateCheck').innerHTML = ""

}

return true;

}

function checkPSW(){

var pwd = psw.value.trim();

if (pwd == '') {

document.getElementById('pswCheck').innerHTML = "\*\* Enter your password..."

return false;

}

var exp =/^(?=.\*[0-9])(?=.\*[!@#$%^&\*])[a-zA-Z0-9!@#$%^&\*]{6,16}$/;

if (!exp.test(pwd)) {

document.getElementById('pswCheck').innerHTML = "\*\* Only Alphabets, Numbers and Underscore and between 3 to 10 characters."

return false;

} else{

document.getElementById('pswCheck').innerHTML = ""

}

return true;

}

function validation(){

var inputs = document.getElementsByTagName("input");

console.log(inputs);

for(var i=0; i < inputs.length; i++){

if(inputs[i].value === '' && inputs[i].hasAttribute('required')){

alert('There are some required fields!');

return false;

}

}

form.submit()

}

</script>

</body>

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

**Ans:**

<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>

// 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>

**Question 6:-Use external js library to show slider**

**Ans:**

<body>

<div class="ag-format-container">

<div class="layout">

<ul class="slider">

<li>

<img src="https://raw.githack.com/SochavaAG/example-mycode/master/pens/1\_images/img-1098x549-15.jpg"

alt="" />

</li>

<li>

<img src="https://raw.githack.com/SochavaAG/example-mycode/master/pens/1\_images/img-1098x549-5.jpg"

alt="" />

</li>

<li>

<img src="https://raw.githack.com/SochavaAG/example-mycode/master/pens/1\_images/img-1098x549-1.jpg"

alt="" />

</li>

<li>

<img src="https://raw.githack.com/SochavaAG/example-mycode/master/pens/1\_images/img-1098x549-10.jpg"

alt="" />

</li>

<li>

<img src="https://raw.githack.com/SochavaAG/example-mycode/master/pens/1\_images/img-1098x549-4.jpg"

alt="" />

</li>

</ul>

</div>

</div>

<svg xmlns="http://www.w3.org/2000/svg" style="display: none">

<symbol id="ei-arrow-left-icon" viewBox="0 0 50 50">

</symbol>

</svg>

<script>

(function ($) {

$(function () {

$('.slider').slick({

dots: true,

prevArrow: '<a class="slick-prev slick-arrow" href="#" style=""><div class="icon icon--ei-arrow-left"><svg class="icon\_\_cnt"><use xlink:href="#ei-arrow-left-icon"></use></svg></div></a>',

nextArrow: '<a class="slick-next slick-arrow" href="#" style=""><div class="icon icon--ei-arrow-right"><svg class="icon\_\_cnt"><use xlink:href="#ei-arrow-right-icon"></use></svg></div></a>',

customPaging: function (slick, index) {

var targetImage = slick.$slides.eq(index).find('img').attr('src');

return '<img src=" ' + targetImage + ' "/>';

}

});

});

})(jQuery);

</script>

**Question 7:- Prevent the browser when i click the form submit button**

**Ans:**

<body>

<form>

<input name="email" />

<input name="password" />

<input type="submit" />

</form>

</body>

<script>

const form = document.getElementById('form')

form.addEventListener('submit', (event) => {

event.preventDefault()

</script>