**Module-3(DOM & BOM)**

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

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<strong>Password</strong>:

<input type="password" value="Neel" id="typepass">

<input type="checkbox" onclick="Toggle()">

<strong>Show Password</strong>

<script>

function Toggle() {

var temp = document.getElementById("typepass");

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

temp.type = "text";

}

else {

temp.type = "password";

}

}

</script>

</body>

</html>

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

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<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() {

alert(i);

});

buttonsContainer.appendChild(button);

}

</script>

</body>

</html>

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

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<style>

:root{

--main-color: #d3ab7f;

--black: #13131a;

--bg: #010103;

--border: .1rem solid rgba(255, 255, 255, .3);

}

\*{

font-family: 'Roboto', sans-serif;

margin: 0;

padding: 0;

box-sizing: border-box;

outline: none;

border: none;

text-decoration: none;

text-transform: capitalize;

transition: .2s linear;

}

html{

font-size: 62.5%;

overflow-x: hidden;

scroll-padding-top: 9rem;

scroll-behavior: smooth;

}

.header{

background-color: var(--bg);

display: flex;

align-items: center;

justify-content: space-between;

padding: 1.5rem 7%;

border-bottom: var(--border);

position: fixed;

top: 0;

left: 0;

right: 0;

z-index: 1000;

}

.header .logo img{

height: 6rem;

}

.header .navbar a{

margin: 0 1rem;

font-size: 1.6rem;

color: #fff;

}

.header .navbar a:hover{

color: var(--main-color);

border-bottom: .1rem solid var(--main-color);

padding-bottom: .5rem;

}

.header .icons div{

color: #fff;

cursor: pointer;

font-size: 2.5rem;

margin-left: 2rem;

}

.header .icons div:hover{

color: var(--main-color);

}

#menu-btn{

display: none;

}

@media(max-width:991px){

html{

font-size: 55%;

}

.header{

padding: 1.5rem 2rem;

}

}

@media(max-width:768px){

#menu-btn{

display: inline-block;

}

.header .navbar{

position: absolute;

top: 100%;

right: -100%;

background-color: #fff;

width: 30rem;

height: calc(100vh - 9.5rem);

}

.header .navbar.active{

right: 0;

}

.header .navbar a{

color: var(--black);

display: block;

margin: 1.5rem;

padding: .5rem;

font-size: 2rem;

}

}

@media(max-width:450px){

html{

font-size: 50%;

}

}

</style>

</head>

<body>

<header class="header">

<a href="#" class="logo">

<img src="images/logo.png" alt="">

</a>

<nav class="navbar">

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

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

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

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

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

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

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

</nav>

<div class="icons">

<div class="fa-solid fa-magnifying-glass" id="search-btn"></div>

<div class="fa-solid fa-shopping-cart" id="cart-btn"></div>

<div class="fa-solid fa-bars" id="menu-btn"></div>

</div>

<script src="https://kit.fontawesome.com/30fdf6eef9.js" crossorigin="anonymous"></script>

<script>

// navbar

let navbar = document.querySelector('.navbar');

document.querySelector('#menu-btn').onclick = () =>{

navbar.classList.toggle('active');

searchForm.classList.remove('active');

cartItem.classList.remove('active');

}

</script>

</body>

</html>

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

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<form method="post">

<table border="1" align="center">

<tr>

<td>Name:</td>

<td><input type="text" name="name" id="name" onblur="ValidData(this, 'nameerror')" onkeydown="ValidName(this, 'nerror')">

<span id="nameerror"></span>

<span id="nerror"></span>

</td>

</tr>

<tr>

<td>Email:</td>

<td><input type="email" name="email" id="email" onblur="ValidData(this, 'emailerror')" onkeydown="ValidEmail(this, 'eerror')">

<span id="emailerror"></span>

<span id="eerror"></span>

</td>

</tr>

<tr>

<td>Password:</td>

<td><input type="password" name="password" id="pwd" onblur="ValidData(this, 'pwderror')" onkeydown="Validpwd(this, 'perror')">

<span id="pwderror"></span>

<span id="perror"></span>

</td>

</tr>

<tr>

<td>Mobile no.:</td>

<td><input type="number" name="number" id="mobile" onblur="ValidData(this, 'moberror')" onkeydown="ValidMobile(this, 'merror')">

<span id="moberror"></span>

<span id="merror"></span>

</td>

</tr>

<tr>

<td colspan="2" align="center"><input type="submit" name="submit" id="submit"></td>

</tr>

</table>

</form>

<script>

function ValidData(e,spnid){

if(e.value == ""){

document.getElementById(spnid).style.color="red";

document.getElementById(spnid).innerHTML = "Please Enter Data..!"

return false;

}

else{

document.getElementById(spnid).innerHTML = "";

}

}

function ValidName(e,spnid){

var name = /^[a-zA-Z]+$/;

if(name.test(e.value)){

document.getElementById(spnid).innerHTML = "";

}

else{

document.getElementById(spnid).style.color="red";

document.getElementById(spnid).innerHTML = "Please Enter only Characters..!";

}

}

function ValidEmail(e,spnid){

var email = /^([a-z0-9.-\_])+@([a-z0-9.-\_])+\.([a-z]{2,3})$/;

if(email.test(e.value)){

document.getElementById(spnid).innerHTML = "";

}

else{

document.getElementById(spnid).style.color="red";

document.getElementById(spnid).innerHTML = "Please Enter Valid Email..!";

}

}

function Validpwd(e,spnid){

var password = /^([a-zA-Z0-9.-\_@]){3,5}$/;

if(password.test(e.value)){

document.getElementById(spnid).innerHTML = "";

}

else{

document.getElementById(spnid).style.color="red";

document.getElementById(spnid).innerHTML = "Please Enter min 3 & max 5 charcter..!";

}

}

function ValidMobile(e,spnid){

var mobile = /^[0-9]{10}$/;

if(mobile.test(e.value)){

document.getElementById(spnid).innerHTML = "";

}

else{

document.getElementById(spnid).style.color="red";

document.getElementById(spnid).innerHTML = "Please Enter 10 Digit Number!";

}

}

</script>

</body>

</html>

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

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<style>

.modal {

position: fixed;

left: 0;

top: 0;

width: 100%;

height: 100%;

background-color: rgba(0, 0, 0, 0.5);

opacity: 0;

visibility: hidden;

transform: scale(1.1);

transition: visibility 0s linear 0.25s, opacity 0.25s 0s, transform 0.25s;

}

.modal-content {

position: absolute;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

background-color: white;

padding: 1rem 1.5rem;

width: 24rem;

border-radius: 0.5rem;

}

.close-button {

float: right;

width: 1.5rem;

line-height: 1.5rem;

text-align: center;

cursor: pointer;

border-radius: 0.25rem;

background-color: lightgray;

}

.close-button:hover {

background-color: darkgray;

}

.show-modal {

opacity: 1;

visibility: visible;

transform: scale(1.0);

transition: visibility 0s linear 0s, opacity 0.25s 0s, transform 0.25s;

}

</style>

</head>

<body>

<button class="trigger">Click here to trigger the modal!</button>

<div class="modal">

<div class="modal-content">

<span class="close-button">×</span>

<h1>Hello, I am a modal!</h1>

</div>

</div>

<script>

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

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

const closeButton = document.querySelector(".close-button");

function toggleModal() {

modal.classList.toggle("show-modal");

}

function windowOnClick(event) {

if (event.target === modal) {

toggleModal();

}

}

trigger.addEventListener("click", toggleModal);

closeButton.addEventListener("click", toggleModal);

window.addEventListener("click", windowOnClick);

</script>

</body>

</html>

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

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css"/>

<style>

:root{

--green:#27ae60;

--black:#192a56;

--light-color:#666;

--box-shadow:0 .5rem 1.5rem rgba(0,0,0,.1);

}

\*{

font-family: 'Nunito', sans-serif;

margin: 0;

padding: 0;

box-sizing: border-box;

text-decoration: none;

outline: none;

border: none;

text-transform: capitalize;

transition: all .2s linear;

}

html{

font-size: 62.5%;

overflow-x: hidden;

scroll-padding-top: 5.5rem;

scroll-behavior: smooth;

}

section{

padding: 2rem 9%;

}

.btn{

margin-top: 1rem;

display: inline-block;

font-size: 1.7rem;

color: #fff;

background-color: var(--black);

border-radius: .5rem;

cursor: pointer;

padding: .8rem 3rem;

}

.home .home-slider .slide{

display: flex;

align-items: center;

flex-wrap: wrap;

gap: 2rem;

padding-top: 9rem;

}

.home .home-slider .slide .content{

flex: 1 1 40rem;

}

.home .home-slider .slide .image{

flex: 1 1 45rem;

}

.home .home-slider .slide .image img{

width: 100%;

}

.home .home-slider .slide .content span{

color: var(--green);

font-size: 2.5rem;

}

.home .home-slider .slide .content h3{

color: var(--black);

font-size: 7rem;

}

.home .home-slider .slide .content p{

color: var(--light-color);

font-size: 2.2rem;

padding: .5rem 0;

line-height: 1.5;

}

.swiper-pagination-bullet-active{

background-color: var(--green);

}

</style>

</head>

<body>

<section class="home" id="home">

<div class="swiper home-slider">

<div class="swiper-wrapper wrapper">

<div class="swiper-slide slide">

<div class="content">

<span>our special dish</span>

<h3>spicy noodles</h3>

<p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Cum, atque placeat! Totam.</p>

<a href="#" class="btn">Order now</a>

</div>

<div class="image">

<img src="home-img-1.png" alt="">

</div>

</div>

<div class="swiper-slide slide">

<div class="content">

<span>our special dish</span>

<h3>fried chicken</h3>

<p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Cum, atque placeat! Totam.</p>

<a href="#" class="btn">Order now</a>

</div>

<div class="image">

<img src="home-img-2.png" alt="">

</div>

</div>

<div class="swiper-slide slide">

<div class="content">

<span>our special dish</span>

<h3>hot pizza</h3>

<p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Cum, atque placeat! Totam.</p>

<a href="#" class="btn">Order now</a>

</div>

<div class="image">

<img src="home-img-3.png" alt="">

</div>

</div>

</div>

<div class="swiper-pagination"></div>

</div>

</section>

<script src="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.js"></script>

<script>

var swiper = new Swiper(".home-slider", {

spaceBetween: 30,

centeredSlides: true,

autoplay: {

delay: 3500,

disableOnInteraction: false,

},

pagination: {

el: ".swiper-pagination",

clickable: true,

},

loop: true,

});

</script>

</body>

</html>

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

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<form id="myForm">

<input type="text" name="" id="name" required>

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

</form>

<script>

document.getElementById('myForm').addEventListener("submit",function(e){

e.preventDefault()

alert("Form is submited")

})

</script>

</body>

</html>