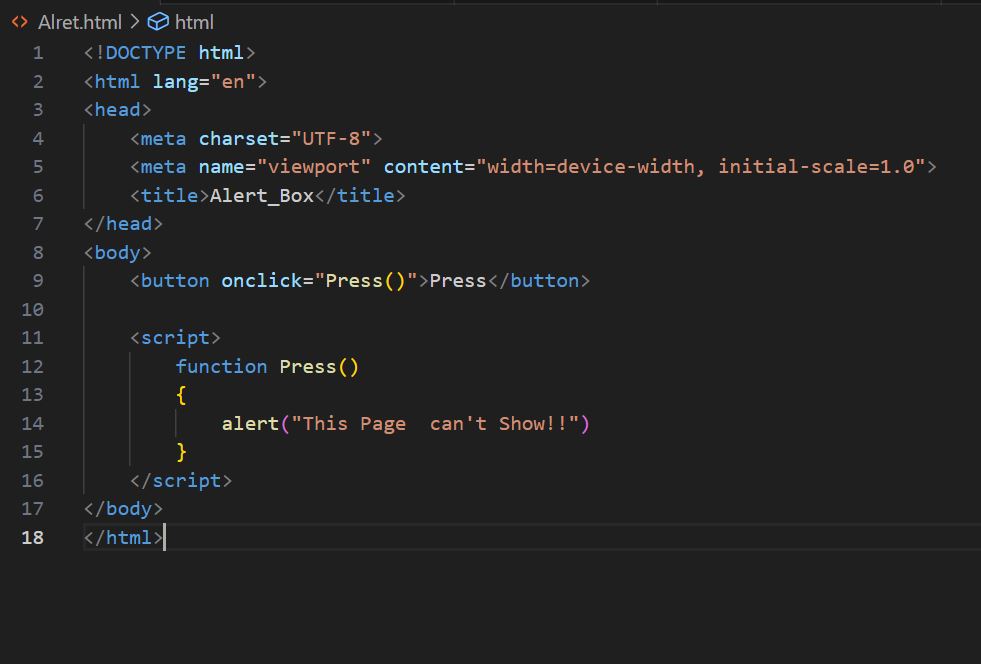
**Advance JavaScript for Front-End**

**Introduction and Code Quality.**

**Modual=1**

● Write a program to Show an alert.

=>



● What will be the result for these expressions?

1) 5 > 4 =True

2) "apple" > "pineapple" = false

3) "2" > "12" = True

4) undefined == null = True

5) undefined === null = false

6) null == "\n0\n" = false

7) null === +"\n0\n" = false

● Will alert be shown? if ("0") { alert( 'Hello'); }

=>



● The following function returns true if the parameter age is greater than 18. Otherwise it asks for a confirmation and returns its result:

=>



● Replace Function Expressions with arrow functions in the code below: Function.

=>



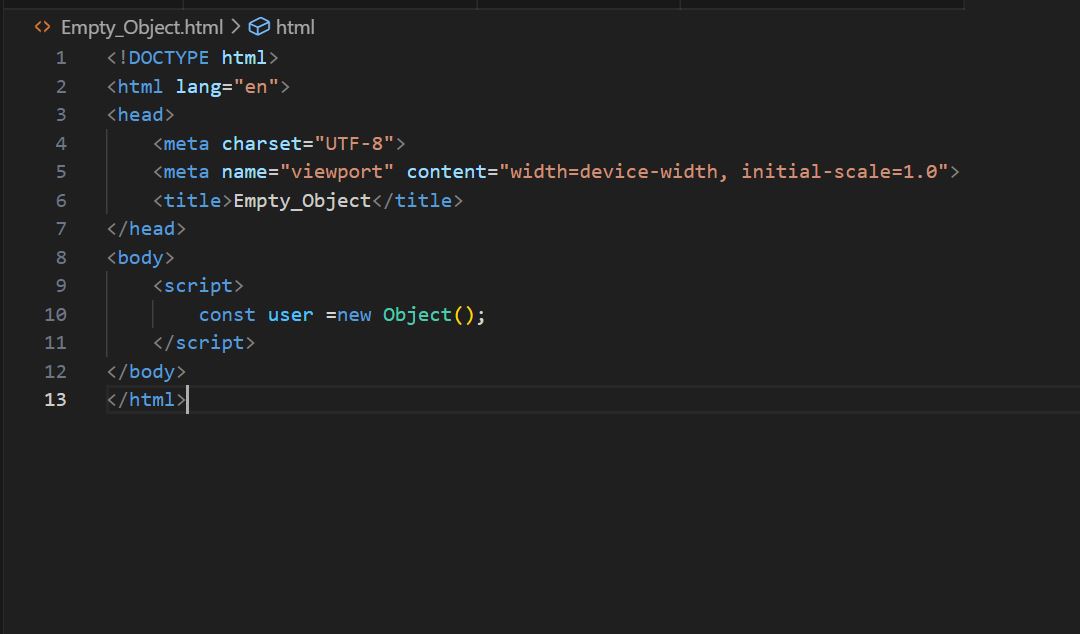
**Modual=2**

**Data Types and Objects.**

● Write the code, one line for each action:

a) Create an empty object us

=>



b) Add the property name with the value John.

  <!-- b)Add the property name with the value John. -->

    <script>

        const user={name:"John"}

    </script>

c) Add the property surname with the value Smith.

=>

    <!-- c)Add the property surname with the value Smith. -->

    <script>

        const users={name:"John",

                    surname:"Patel"}

    </script>

d) Change the value of the name to Pete.

=> <!-- d)Change the value of the name to Pete -->

<script>

    const bunny = {name:"John",surname:"Smith",};

    bunny.name = "Pate";

</script>

e) Remove the property name from the object.

=>

    <!-- e)Remove the property name from the object. -->

    <script>

        const MyObject={

            Prop1:'value1',

            Prop2:'value2',

            Prop3:'value3'

        }

        delete MyObject. Prop3;

        console.log(MyObject);

    </script>

● Is array copied?

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Arey\_Copied</title>

</head>

<body>

    <script>

        // use the push add the length and value

        let fruits = ["Apple","Pear","Orange"]

        shoppingCart = fruits;

        shoppingCart.push("Banana");

        alert(fruits.length);

    </script>

</body></html>

● Map to names

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Map to Name</title>

</head>

<body>

    <button onclick="clicks()">Click</button>

    <script>

        // only  show name

        let john = {name:"John",age:25};

        let pete={name:"Pate",age:30};

        let mary={name:"Mary",age:28};

    let users=[john,pete,mary];

    let names=users.map(user =>user.name );

    // alert print karva mate

    function clicks()

    {

        alert(names);

    }

    </script>

</body>

</html>

● Map to Object

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Map to object</title>

</head>

<body>

    <button onclick="user1()">User 1</button>

    <button onclick="user2()">user 2</button>

    <script>

        // first button click id show

        // second button click name show.

        let john = {name:"John",surname:"Smith",id:1};

        let pete = {name:"Pete",surname:"Hunt",id:2};

        let mary = {name:"Mary",surname:"Key",id:3};

        let users=[john,pete,mary];

        let userMapped=users.map(user =>({id:user.id,fullName:`${user.name} ${user.surname}`}));

        console.log(userMapped);

        function user1()

        {

            // only id show thase

             alert(userMapped[0].id);

        }

        function user2()

        {

            // only name show thase

        alert(userMapped[0].fullName);

        }

    </script>

</body>

</html>

● Sum the properties There is a salaries object with arbitrary number of salaries. Write the function sumSalaries(salaries) that returns the sum of all salaries using Object.values and the for..of loop.If salaries is empty, then the result must be 0.

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Salary Object</title>

</head>

<body>

    <script>

        // total salary print karva mate

        function sumSalaries(salaries)

        {

            const salaryValues = Object.values(salaries);

            let totalSalary = 0;

            for (const salary of salaryValues)

            {

                totalSalary += salary;

            }

            return totalSalary;

        }

        let salaries={

            "John":100,

            "Pete":300,

            "Mere":250

        };

        alert(sumSalaries(salaries));

    </script>

</body>

</html>

● Destructuring assignment We have an object: Write the Destructuring assignment that reads:

a) Name property into the variable name.

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Destructuring assignment</title>

</head>

<body>

       <!-- a)Name property into the variable name. -->

    <script>

        const user = {

            name:"John",age:30,email:"Mukesh@Example.com",

        };

        const {name} = user;

        console.log(name);

     </script>

</body>

</html>

b) Year’s property into the variable age.

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Destructuring assignment</title>

</head>

<body>

     <!-- b)Year’s property into the variable age. -->

     <script>

        const users = {

            Name:"John",Year:1990,email:"Mukesh@Example.com"

        }

        const {Year:age} =users;

        console.log(age);

     </script>

</body>

</html>

c) isAdmin property into the variable isAdmin (false, if no such property)

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Destructuring assignment</title>

</head>

<body>

    <!-- c)isAdmin property into the variable isAdmin (false, if no such property) -->

     <script>

         const Admin = {

            Name:"John",Year:1990,email:"Mukesh@Example.com"

        }

        const {isAdmin=false} =Admin;

        console.log(isAdmin);

     </script>

</body>

</html>

d) let user = { name: "John", years: 30};

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Destructuring assignment</title>

</head>

<body>

   <!-- d)let user = { name: "John", years: 30}; -->

     <script>

            let uses  = {name:"John",years:30};

            console.log(uses.name);

            console.log(uses.years);

     </script></body></html>

● Turn the object into JSON and back Turn the user into JSON and then read it back into another variable.

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Turn the object into JSON</title>

</head>

<body>

    <script>

        let user={Name:"John Smith",age:35};

        let userJson=JSON.stringify(user);

        // Json to parse

        let anotherVariable = JSON.parse(userJson);

        console.log(anotherVariable)

    </script>

</body>

</html>

**Modual=3**

**Document, Event and Controls.**

● Create a program to hide/show the password

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Show\_Password</title>

</head>

<body>

    <form>

      Enter the Password:-  <input type="password" id="pass"></br>

      <input type="checkbox" id="check" placeholder="Enter the password">:-Show Password

    </form>

<script>

    var pass = document.getElementById("pass");

    var check =document.getElementById("check");

    check.onclick=toggle\_Password;

    function toggle\_Password ()

    {

        // Password show karva mate

        if (check.checked )

         {

            pass.type="text";

        }

        else

        {

            // password hide karva mate

            pass.type="password";

        }

    }

</script>

</body>

</html>

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

    <title>Should\_Show</title>

</head>

<body>

    <button class="clickable">Click me!</button>

    <p class="clickable">Click me too!</p>

    <div class="clickable">Click on this div!</div>

    <script>

        // alret show karva mate

        function handleClick()

        {

       alert("You clicked on an element with the ");

        }

        const clickableElements = document.getElementsByClassName("clickable");

        for (let i = 0; i<clickableElements.length; i++)

        {

            clickableElements[i].addEventListener("click",handleClick);

        }

    </script>

</body>

</html>

● Create a responsive header using proper JavaScript.

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Responsive\_Header</title>

    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.0/jquery.min.js"></script>

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">

    <style>

        \*

        {

            margin: 0px;

            padding: 0px;

            box-sizing: border-box;

        }

        header

        {

            width: 100%;

            height: 70px;

            display: flex;

            background-color: turquoise;

        }

        .logo

        {

            font-size: 30px;

            width: 20%;

            height: inherit;

        }

        span

        {       line-height: 65px;

            padding-left: 40px;

            /\* box-shadow: 5px 5px 9px; \*/

            text-shadow: 2px 5px 3px rgb(245, 239, 51);

            color: rgb(37, 30, 29);

        }

        nav

        {

            width: 70%;

            height: inherit;

            background-color: transparent;

            margin-left: 2%;

        }

        nav ul

        {

            display: flex;

            /\* text-decoration: none; \*/

        }

        nav ul li

        {

            list-style: none;

            padding: 10px 20px 15px;

            line-height: 40px;

            font-size: 25px;

            margin-left: 5%;

        }

        nav ul li a

        {

            text-decoration: none;

            color: black;

        }

        .fa-bars

        {

            line-height: 55px;

            padding-top: 5px;

            float: right;

            margin-left: 17%;

            font-size: 25px;

            display: none;

        }

        @media (min-width:769px) and (max-width:1024px)

        {

            \*

        {

            margin: 0px;

            padding: 0px;

            box-sizing: border-box;

        }

        header

        {

            width: 100%;

            height: 70px;

            display: flex;

            background-color: turquoise;

        }

            .logo

        {

            font-size: 30px;

            width: 30%;

            height: inherit;

        }

        span

        {       line-height: 65px;

            padding-left: 40px;

            /\* box-shadow: 5px 5px 9px; \*/

            text-shadow: 2px 5px 3px rgb(245, 239, 51);

            color: rgb(37, 30, 29);

        }

        nav

        {

            width: 70%;

            height: inherit;

            background-color: transparent;

            position: relative;

            display: block;

            margin-left: 2%;

        }

        nav ul

        {

            /\* display: none; \*/

            display: none;

            position: absolute;

            background-color: teal;

            width: 156%;

            top: 72px;

            right: 0px;

            /\* text-decoration: none; \*/

        }

        nav ul li

        {

            list-style: none;

            text-align: center;

            line-height: 40px;

            font-size: 25px;

          left: 100px;

            display: block;

        }

        nav ul li a

        {

            text-decoration: none;

            color: black;

        }

        .fa-bars

        {

            line-height: 50px;

            /\* padding-top:20px; \*/

            float: right;

            margin-right: 8%;

            /\* margin-left: 100px; \*/

            font-size: 30px;

            display: block;

        }

        }

        /\* teblate mate \*/

        @media (min-width:481px) and (max-width:768px)

        {

            \*

        {

            margin: 0px;

            padding: 0px;

            box-sizing: border-box;

        }

        header

        {

            width: 100%;

            height: 70px;

            display: flex;

            background-color: turquoise;

        }

            .logo

        {

            font-size: 30px;

            width: 70%;

            height: inherit;

        }

        span

        {       line-height: 65px;

            padding-left: 40px;

            /\* box-shadow: 5px 5px 9px; \*/

            text-shadow: 2px 5px 3px rgb(245, 239, 51);

            color: rgb(37, 30, 29);

        }

        nav

        {

            width: 70%;

            height: inherit;

            background-color: transparent;

            position: relative;

            display: block;

            margin-left: 2%;

        }

        nav ul

        {

            display: none;

            /\* display: block; \*/

            position: absolute;

            background-color: teal;

            width: 45rem;

            top: 72px;

            right: 0px;

            /\* text-decoration: none; \*/

        }

        nav ul li

        {

            list-style: none;

            text-align: center;

            line-height: 40px;

            font-size: 25px;

          left: 100px;

            display: block;

        }

        nav ul li a

        {

            text-decoration: none;

            color: black;

        }

        .fa-bars

        {

            line-height: 50px;

            /\* padding-top:20px; \*/

            float: right;

            margin-right: 8%;

            /\* margin-left: 100px; \*/

            font-size: 30px;

            display: block;

        }

        }

        /\* Mobile device \*/

        @media (min-width:320px) and (max-width:480px)

        {

            \*

        {

            margin: 0px;

            padding: 0px;

            box-sizing: border-box;

        }

        header

        {

            width: 100%;

            height: 70px;

            display: flex;

            background-color: turquoise;

        }

            .logo

        {

            font-size: 30px;

            width: 100%;

            height: inherit;

        }

        span

        {       line-height: 65px;

            padding-left: 40px;

            /\* box-shadow: 5px 5px 9px; \*/

            text-shadow: 2px 5px 3px rgb(245, 239, 51);

            color: rgb(37, 30, 29);

        }

        nav

        {

            width: 70%;

            height: inherit;

            background-color: transparent;

            position: relative;

            display: block;

            margin-left: 2%;

        }

        nav ul

        {

            display: none;

            /\* display: block; \*/

            position: absolute;

            background-color: teal;

            width: 30rem;

            top: 72px;

            right: 0px;

            /\* text-decoration: none; \*/

        }

        nav ul li

        {

            list-style: none;

            text-align: center;

            line-height: 40px;

            font-size: 20px;

          left: 30px;

            display: block;

        }

        nav ul li a

        {

            text-decoration: none;

            color: black;

        }

        .fa-bars

        {

            line-height: 50px;

            /\* padding-top:20px; \*/

            float: right;

            margin-right: 8%;

            /\* margin-left: 100px; \*/

            font-size: 30px;

            display: block;

        }

        }

    </style>

</head>

<body>

    <header>

        <div class="logo"><span>Mukesh Pal</span></div>

        <nav>

            <ul id="menu">

                <li><a href="">Home</a></li>

                <li><a href="">About</a></li>

                <li><a href="">Service</a></li>

                <li><a href="">Contect Us</a></li>

            </ul>

            <i class="fa-solid fa-bars" id="menutoggle"></i>

        </nav>

    </header>

    <script>

        $(document).ready(function ()

        {

            $("#menutoggle").click(function ()

            {

                $("#menu").fadeToggle("3000");

            })

        })

    </script>

</body>

</html>

● Create a form and validate using JavaScript.

=>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Validation\_Form</title>

</head>

<body>

    <form action="" name="myforms" onsubmit="return validation()">

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

            <tr>

                <th>First Name:-</th>

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

            </tr>

            <!-- last name Mte -->

            <tr>

                <th>Last Name:-</th>

                <td><input type="text" name="lastname">

                <span style="color: red;" id="LastName"></span>

                </td>

            </tr>

            <!-- Password mate -->

            <tr>

                <th>Password:-</th>

                <td><input type="password" name="Password"></td>

            </tr>

            <!-- confirm password -->

            <tr>

                <th>Confirm Password:-</th>

                <td><input type="password" name="cpassword"></td>

            </tr>

            <!-- Email -->

            <tr>

                <th>Email Id:-</th>

                <td><input type="email" name="email"></td>

            </tr>

            <!--Phone Numebr  -->

            <tr>

                <th>Phone Number:-</th>

                <td><input type="tel" name="Phone"></td>

            </tr>

            <!-- Gener -->

            <tr>

                <th>Gender:-</th>

                <td><input type="radio" name="Gender">Male

                    <input type="radio" name="Gender">Female

                </td>

            </tr>

            <!--Hobby  -->

            <tr>

                <th>Hobby:-</th>

                <td>Reading<input type="checkbox" name="chek">

                Music<input type="checkbox" name="chek">

                Cricket<input type="checkbox" name="chek">

                </td>

            </tr>

            <tr>

                <td><input type="submit"></td>

            </tr>

        </table>

    </form>

    <script>

    function validation()

    {

        // First name

    var fname=document.forms['myforms']["fname"].value;

    if (fname=="" || fname==null)

    {

        alert("Please Enter the First Name!")

        return false;

    }

    var alpha = /^[A-Za-z]+$/;

    if (!alpha.test(fname))

     {

        alert("Please fill only alpha User First Name");

        return false;

    }

    // lastname mate

var Lastname=document.forms['myforms']['lastname'].value;

if (Lastname=="" || Lastname==null)

{

    document.getElementById('LastName').innerHTML="Please Enter the Last Name";

    return false;

}

else

{

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

}

// password mate

    var password=document.forms['myforms']['Password'].value;

    if (password=="" || password==null)

    {

        alert("Please Enter the password!");

        return false;

    }

    if (!(password.lenght >=3 && password.lenght <=8))

    {

        alert("Please Provide min 3 & max 8 char in password");

        return false;

    }password

// Confirm password mate

    var confirmpassword=document.forms['myforms']['cpassword'].value;

    if (password==confirmpassword)

    {

    }

    else

    {

        alert("Please Enter the same Value");

        return false;

    }

    // Email mate

    var Email=document.forms['myforms']['email'].value;

    if (Email=="" || Email==null)

    {

        alert("Please Enter the Email!");

        return false;

    }

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

    if (!mail.test(Email))

    {

        alert("Please fill proper email id");

        return false;

    }

    // Fone mate

    var phone=document.forms["myforms"]["Phone"].value;

    if (phone=="" || phone==null);

    {

        alert("Please Enter the phone number!");

        return false;

    }

    var phon=/^[0-9]{10,11}$/;

    if (!phon.test(phone))

     {

        alert("Please fill only 10 digit");

        return false;

    }

    // hobby mate

    var chek=document.forms['myforms']['chek'].value;

    if (chek[0].checked == true)

    {

    }

    else if (chek[1].checked == true)

    {

    }

    else if (chek[2].checked == true)

    {

    }

    else if (chek[3].checked == true)

    {

    }

    else

    {

        alert("!Please select any one Hobby");

        return false;

    }

 }

    </script>

</body>

</html>

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

=><!DOCTYPE html>

<html>

<head>

    <meta charset="UTF-8">

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

    <title>3Modal Box</title>

</head>

<style>

    body {

  font-family: Arial, sans-serif;

}

.modal {

  display: none;

  position: fixed;

  z-index: 1;

  left: 0;

  top: 0;

  width: 100%;

  height: 100%;

  overflow: auto;

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

}

.modal-content {

  background-color: #fefefe;

  margin: 15% auto;

  padding: 20px;

  border: 1px solid #888;

  max-width: 400px;

}

.close {

  color: #aaa;

  float: right;

  font-size: 28px;

  font-weight: bold;

}

.close:hover,

.close:focus {

  color: black;

  text-decoration: none;

  cursor: pointer;

}

.modal-button {

  background-color: #4CAF50;

  color: white;

  padding: 10px 20px;

  margin: 5px;

  border: none;

  cursor: pointer;

}

.modal-button:hover {

  background-color: #3555bd;

}

</style>

<body>

  <button class="modal-button" onclick="openModal('modal1')">Button 1</button>

  <button class="modal-button" onclick="openModal('modal2')">Button 2</button>

  <button class="modal-button" onclick="openModal('modal3')">Button 3</button>

  <!-- modal box  1 -->

  <div id="modal1" class="modal">

    <div class="modal-content">

      <span class="close" onclick="closeModal('modal1')">&times;</span>

      <h2>Modal 1</h2>

      <p>This is the content of modal 1.</p>

    </div>

  </div>

  <!-- modal box 2 -->

  <div id="modal2" class="modal">

    <div class="modal-content">

      <span class="close" onclick="closeModal('modal2')">&times;</span>

      <h2>Modal 2</h2>

      <p>This is the content of modal 2.</p>

    </div>

  </div>

<!-- modal 3 -->

  <div id="modal3" class="modal">

    <div class="modal-content">

      <span class="close" onclick="closeModal('modal3')">&times;</span>

      <h2>Modal 3</h2>

      <p>This is the content of modal 3.</p>

    </div>

  </div>

<script>

// display block  karva mate

    function openModal(modalId) {

  var modal = document.getElementById(modalId);

  modal.style.display = "block";

}

// close button mate

function closeModal(modalId) {

  var modal = document.getElementById(modalId);

  modal.style.display = "none";

}

</script>

</body>

</html>

● Use external js library to show slider.

=><!DOCTYPE html>

<html>

<head>

    <meta charset="UTF-8">

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

    <title>3Modal Box</title>

</head>

<style>

    body {

  font-family: Arial, sans-serif;

}

.modal {

  display: none;

  position: fixed;

  z-index: 1;

  left: 0;

  top: 0;

  width: 100%;

  height: 100%;

  overflow: auto;

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

}

.modal-content {

  background-color: #fefefe;

  margin: 15% auto;

  padding: 20px;

  border: 1px solid #888;

  max-width: 400px;

}

.close {

  color: #aaa;

  float: right;

  font-size: 28px;

  font-weight: bold;

}

.close:hover,

.close:focus {

  color: black;

  text-decoration: none;

  cursor: pointer;

}

.modal-button {

  background-color: #4CAF50;

  color: white;

  padding: 10px 20px;

  margin: 5px;

  border: none;

  cursor: pointer;

}

.modal-button:hover {

  background-color: #3555bd;

}

</style>

<body>

  <button class="modal-button" onclick="openModal('modal1')">Button 1</button>

  <button class="modal-button" onclick="openModal('modal2')">Button 2</button>

  <button class="modal-button" onclick="openModal('modal3')">Button 3</button>

  <!-- modal box  1 -->

  <div id="modal1" class="modal">

    <div class="modal-content">

      <span class="close" onclick="closeModal('modal1')">&times;</span>

      <h2>Modal 1</h2>

      <p>This is the content of modal 1.</p>

    </div>

  </div>

  <!-- modal box 2 -->

  <div id="modal2" class="modal">

    <div class="modal-content">

      <span class="close" onclick="closeModal('modal2')">&times;</span>

      <h2>Modal 2</h2>

      <p>This is the content of modal 2.</p>

    </div>

  </div>

<!-- modal 3 -->

  <div id="modal3" class="modal">

    <div class="modal-content">

      <span class="close" onclick="closeModal('modal3')">&times;</span>

      <h2>Modal 3</h2>

      <p>This is the content of modal 3.</p>

    </div>

  </div>

<script>

// display block  karva mate

    function openModal(modalId) {

  var modal = document.getElementById(modalId);

  modal.style.display = "block";

}

// close button mate

function closeModal(modalId) {

  var modal = document.getElementById(modalId);

  modal.style.display = "none";

}

</script>

</body>

</html>

● Prevent the browser when i click the form submit button

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Submit</title>

</head>

<body>

    <form id="myforms">

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

    </form>

    <script>

        // No work this function

        document.getElementById("myforms").addEventListener("submit",function (event) {

        event.preventDefault();

        })

    </script>

</body>

</html>

**Modual =4**

**New Request.**

● What is JSON

=>JSON stands for JavaScript Object Notation. JSON is a lightweight format for storing and transporting data. JSON is often used when data is sent from a server to a web page.

● What is promises

=> A promise represents a value that may not be available yet but will be resolved at some point, either successfully (fulfilled) or unsuccessfully (rejected). It can be in one of the following states

3 type of Promises

1)Pending

2)Fulfilled

3)Rejected

● Write a program of promises and handle that promises also

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Promise</title>

</head>

<body>

    <script>

function fetchDataFromServer() {

  return new Promise((resolve, reject) => {

    setTimeout(() => {

      const data = { message: "Data from server!" };

      resolve(data);

    }, 2000);

  });

}

fetchDataFromServer()

// Data fetch karva mate

   .then((data) => {

    document.write("Data received:", data.message);

  })

  // Error show karva mate

  .catch((error) => {

    console.error("Error occurred:", error.message);

  });

    </script>

</body>

</html>

● Use fetch method for calling an api

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Fetch APi</title>

</head>

<body>

    <script>

        // Api Fetch

        fetch('https://fakestoreapi.com/products')

      .then(response => response.json())

      .then(json => console.log(json))

    </script>

</body>

</html>

● Display all the product from the api in your HTML page

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Fetch Html page</title>

    <script src="https://cdn.jsdelivr.net/npm/axios/dist/axios.min.js"></script>

    <script src="https://unpkg.com/axios/dist/axios.min.js"></script>

    <link rel="stylesheet" href="css/bootstrap.min.css">

    <script src="js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

    <div class="row" id="Datalist"></div>

</div>

    <script>

        // Show the product

           axios.get('https://fakestoreapi.com/products')

        .then((res) => {

            // console.log(res.data);

            Show\_product(res.data)

        })

        function Show\_product(data)

        {

            var data\_List=document.getElementById('Datalist');

            for (Mydata  of data)

            {

                var htmlcards=`

                <div class="col-md-3">

                    <div class="card">

                        <img src="${Mydata.image}" class="card-img-top">

                        <div class="card-body">

                            <h4 class="card-title">${Mydata.title}</h4>

                            </div>

                        </div>

                    </div>

                `;

                data\_List.insertAdjacentHTML('beforeend',htmlcards);

            }

        }

    </script>

</body>

</html>

**Modual=5**

**JavaScript Essentials**

• Calculate subtotal price of quantity in JavaScript?

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Sub Total</title>

<style>

.numbers{

float: left;

margin-top: -40px;

width: 80px;

height: 30px;

}

.indian\_Rupees

{

    border: none;

    border-right: 1px solid black;

    border-top: 1px solid black;

}

#Price\_total

{

    border: none;

    border-right: 1px solid black;

    border-top: 1px solid black;

}

#remove

{

    width: 80px;

    height: 40px;

    float: left;

    margin-top: -40px;

    background-color: red;

    color: white;

    border: none;

    border-radius: 4px;

    border-left: none;

    cursor: pointer;

}

.totals

{

 height: 30px;

}

</style>

</head>

<body>

    <table border="1px">

        <tr>

            <th>Product Info</th>

            <th>Quantity</th>

            <th>Price(per limit)</th>

            <th>Price(subtotal)</th>

            <th>Button</th>

        </tr>

        <!-- second line -->

        <tr>

            <th>

                <img src="image/mobile touch.jpeg" width="50px" style="border-radius: 10px;" height="60px" alt=""><br>A smartphone is a portable<br> computer device that

             </th>

            <th><input type="number" class="numbers" id="numberse" onkeyup="enterthenumber()"></th>

            <th class="indian\_Rupees">₹ 15000</th>

            <th id="Price\_total"></th>

            <th><button id="remove" onclick="removesmart\_fone()">Remove</button></th>

        </tr>

        <!-- Second rows -->

        <tr>

            <th border-top="1px solid black">

                <img src="image/keypade mobile.jpeg" width="50px" style="border-radius: 10px;" height="60px" alt=""><br>A Keypade is a portable<br> computer device that

             </th>

            <th><input type="number" class="numbers" id="numb" onkeyup="enterthenumber()"></th>

            <th class="indian\_Rupees">₹ 1500</th>

            <th id="Prices"></th>

            <th><button id="remove" onclick="removesmar\_fone()" >Remove</button></th>

        </tr>

        <!-- third total mate -->

        <tr>

            <th class="totals"></th>

            <th class="totals"></th>

            <th class="totals"></th>

            <th id="total"></th>

            <th class="totals"></th>

        </tr>

    </table>

<script>

    function enterthenumber() {

    var count=document.getElementById('numberse').value;

    var result=15000\*count;

    document.getElementById('Price\_total').innerHTML=result;

//   value of 1500 multi in input

    var five=document.getElementById('numb').value;

    var anser=1500\*five;

    document.getElementById('Prices').innerHTML=anser;

    var totals= (document.getElementById('total').innerHTML=

    result + anser);

}

// Remove mate

function removesmart\_fone()

{

    var smart\_Quantity = document.getElementById("numberse");

    smart\_Quantity.value=0;

    document.getElementById("Price\_total").innerHTML=" ₹ " + 0;

    var smart\_Quantity01 = document.getElementById("numberse").value;

    var results = 15000 \* smart\_Quantity01;

    var kepade\_Quantity01 = document.getElementById("numb").value;

    var results1=1500 \* kepade\_Quantity01;

    var total\_amt = results + results1;

    var remove\_fone\_item = total\_amt - results;

    document.getElementById("total").innerHTML=" ₹ " + (remove\_fone\_item);

}

// remove 1500

function removesmar\_fone()

{

    var smart\_Quantity = document.getElementById("numb");

    smart\_Quantity.value=0;

    document.getElementById("Prices").innerHTML=" ₹ " + 0;

    var smart\_Quantity01 = document.getElementById("numb").value;

    var results = 1500 \* smart\_Quantity01;

    var kepade\_Quantity01 = document.getElementById("numberse").value;

    var results1=15000 \* kepade\_Quantity01;

    var total\_amt = results + results1;

    var remove\_fone\_item = total\_amt - results;

    document.getElementById("total").innerHTML=" ₹ " + (remove\_fone\_item);

}

</script>

</body>

</html>

• What is JavaScript Output method?

=> Writing into the HTML output using document.write() .

• How to used JavaScript Output method?

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Js Output Method</title>

</head>

<body>

    <p>Check the luckyDraw Winner:</p>

    <button onclick="alret\_Show()">Click</button>

    <div id="output1"></div>

    <div id="output2"></div>

    <script>

        //  Consol.log()

// this method use to direct show the consol

        var name= "Mukesh Pal";

        age=20;

        console.log("name :",name);

        console.log("age :",age);

        // document.write();

        // this method use to direct show the html page

        document.write("My Name is Mukesh.");

        // Alert

         // this method use to direct show the alert

        alert("Welcome to our website.");

        function alret\_Show()

        {

            alert("You are selectd the winner.");

        }

        // inner html

           // this method use to direct show the output change

        var outputElement = document.getElementById('output1').innerHTML="Hello Word";

        var outputElement1 = document.getElementById('output2').innerHTML="Hello user";

    </script>

</body>

</html>

• How to used JavaScript Events to do all examples?

=><!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Javascript Event</title>

</head>

<body>

    <button id="thisbutton">console.log()</button>

    <hr>

    <a href="#" id="mylink">Anchor link</a>

    <hr>

    <button id="writebtn">Write Content</button>

    <div id="output"></div>

    <hr>

    <button id="updatebutton">Update Button</button>

    <script>

        // Consol.log() using Event

        var thisbutton = document.getElementById("thisbutton");

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

        console.log("console.log() button link is clicked.");

        })

        // alert using event

        var mylink = document.getElementById("mylink");

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

            alert("Anchor link is clicked.");

        })

        // document.write using() Event

        var writebtn = document.getElementById("writebtn");

        var outputdiv = document.getElementById("output");

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

            outputdiv.innerHTML = "<p> document.write() button is clicked.</p>"

        })

        // innerHtml() using event

        var updatebtn = document.getElementById("updatebutton");

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

        outputdiv.innerHTML = "<b>New Content was Clicked.</b>";

        })

    </script>

</body>

</html>