**HTML and CSS**

1. Create a webpage that contains
   * An image of car with height 120px, width 120px and alternative text for image “Cars”
   * Any image that contain client side imagemap that redirects to any page available online.
   * Any image that returns the coordinates of the clicked area to URL (use server side imagemap)

**SOURCE CODE**

<html>

<head>

  <title>Car Images with Image Maps</title>

</head>

<body>

  <img src="car.jpg" alt="Cars" height="120" width="120">

 <h3> client side Image map</h3>

  <img src="nature.jpg" usemap="#map" height="240"  width="240">

  <map name="map">

    <area shape="rect" coords="0,0,472,542" href="https://www.nature.org/en-us/" alt="Google" target="\_blank">

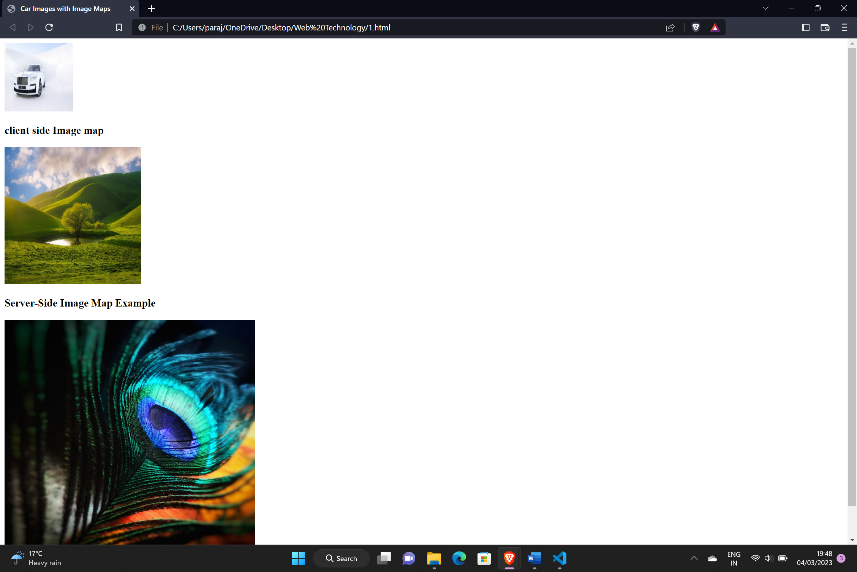
  </map>

 <h3>Server-Side Image Map Example</h3> <img src="fur.jpeg" usemap="#example" height="440" width="440">

  <map name="example">

    <area shape="rect" coords="0,0,160,170" href="https://www.google.com" target="\_blank">

    <area shape="circle" coords="0,0,400,400" href="https://www.bing.com" target="\_blank">

****  </map>

</body>

</html>

**OUTPUT**

1. Design the following using HTML using the concept of nested frameset

A picture containing table

Description automatically generated

Frame1 should contain three links, the first should be opened in frame 2, second in frame 3 and third in frame 4.

**SOURCE CODE**

<!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>lab5</title>

</head>

<frameset cols="20%,80%">

<frameset rows="">

<frame src="1.html.html"></frame>

</frameset>

<frameset rows="20,30,50">

<frame src="1.html"></frame>

<frame src="form.html"></frame>

<frame src="video.html"></frame>

</frameset>

</frameset>

<body>

</body>

**Graphical user interface, application

Description automatically generated**</html>

**OUTPUT**

1. **Create a webpage containing paragraph and an inline frame that loads any website.**

**SOURCE CODE**

<html>

<head>

<title>Inline Frame Example</title>

</head>

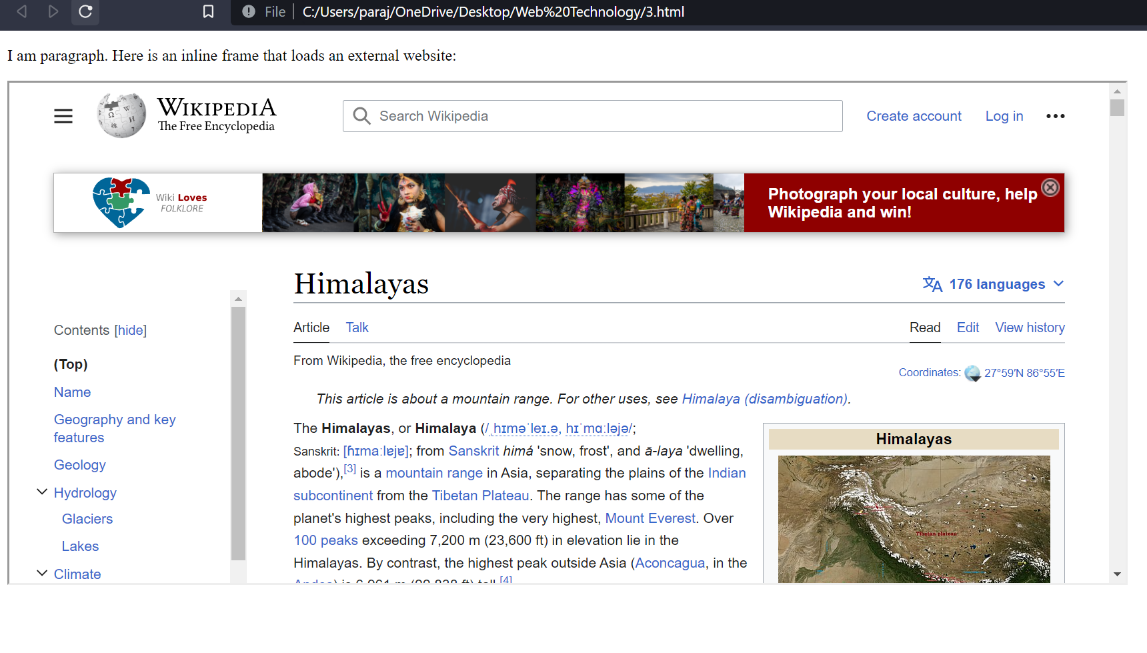
<body>

<p> I am paragraph. Here is an inline frame that loads an external website:</p>

<iframe src="https://en.wikipedia.org/wiki/Himalayas" width="75%" height="500px"></iframe>

</body>

</html>

****

**OUTPUT**

1. **Design a form in HTML using fieldset and legend that contains the following fields**
   * **Name as input type –text**
   * **Address as input type-text**
   * **A multiline text for Bio**
   * **A dropdown for address**
   * **A radio button for gender**
   * **A file input for identity upload**
   * **A password type input for contact number**
   * **A submit button**

**SOURCE CODE**

<html>

<head>

  <title></title>

</head>

<body>

  <form>

  <fieldset>

    <legend>Personal Information</legend>

    <label for="name">Name:</label>

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

    <label for="address">Address:</label>

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

    <label for="bio">Bio:</label>

    <textarea id="bio" name="bio"></textarea><br><br>

    <label for="dropdown">Select Address:</label>

    <select id="dropdown" name="dropdown">

      <option value="option1">Bhaktapur</option>

      <option value="option2">Kathmandu </option>

      <option value="option3">Lalitpur</option>

    </select><br><br>

    <label>Gender:</label>

    <input type="radio" id="male" name="gender" value="male">

    <label for="male">Male</label>

    <input type="radio" id="female" name="gender" value="female">

    <label for="female">Female</label>

    <input type="radio" id="other" name="gender" value="other">

    <label for="other">Other</label><br><br>

    <label for="identity">Upload identity:</label>

    <input type="file" id="identity" name="identity"><br><br>

    <label for="contact">Contact Number:</label>

    <input type="password" id="contact" name="contact" required><br><br>

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

  </fieldset>

</form>

</body>

</html>

**OUTPUT**

**Graphical user interface, text, application

Description automatically generated**

1. **Embed a video with the separate play button using HTML 5.**

**SOURCE CODE**

<html>

<head>

  <title></title>

</head>

<body>

  <video width="500" height="300" controls>

  <source src="nature.mp4" height=400 width=400 type="video/mp4">

  Your browser does not support the video tag.

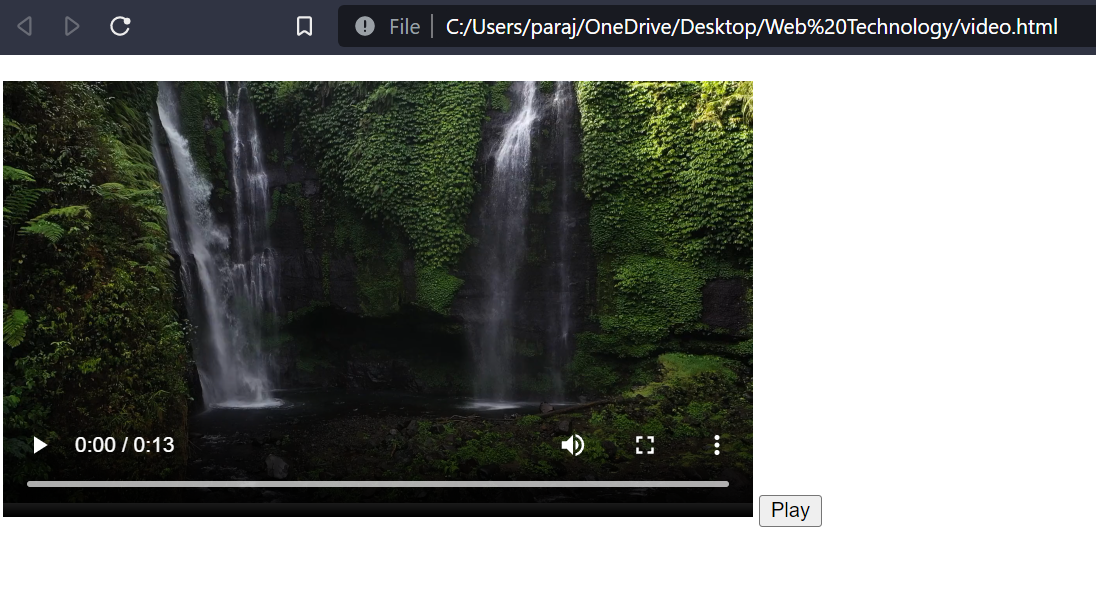
</video>

<button onclick="document.querySelector('video').play()">Play</button>

</body>

</html>

**OUTPUT**

****

1. **Create a simple image gallery using CSS.**

**SOURCE CODE**

<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>Image Gallery</title>

    <style>

        div.img {

        margin: 5px;

        border: 1px solid #ccc;

        float: left;

        width: 180px;

    }

    div.img:hover {

        border: 1px solid red;

    }

    div.img img {

        width: 100%;

    }

    </style>

</head>

<body>

    <div class="container">

        <div class="img">

            <img src="mountain.jpg" height="200" width="200" alt="mountain">

        </div>

        <div class="img">

            <img src="sea.jpg" height="200" width="200" alt="sea">

        </div>

        <div class="img">

            <img src="waterfall.jpg" height="200" width="200" alt="waterfall">

        </div>

        <div class="img">

            <img src="car.png" height="200" width="200" alt="TOY CAR">

        </div>

        <div class="img">

            <img src="earth.jpg" height="200" width="200" alt="earth">

        </div>

        <div class="img">

            <img src="car.png" height="200" width="200" alt="TOY CAR">

        </div>

        <div class="img">

            <img src="sea.jpg" height="200" width="200" alt="sea">

        </div>

        <div class="img">

            <img src="waterfall.jpg" height="200" width="200" alt="waterfall">

        </div>

        <div class="img">

            <img src="earth.jpg" height="200" width="200" alt="earth">

        </div>

        <div class="img">

            <img src="triangle.png" height="200" width="200" alt="earth">

        </div>

        <div class="img">

            <img src="mountain.jpg" height="200" width="200" alt="mountain">

        </div>

        <div class="img">

            <img src="earth.jpg" height="200" width="200" alt="earth">

        </div>

        <div class="img">

            <img src="car.png" height="200" width="200" alt="TOY CAR">

        </div>

        <div class="img">

            <img src="mountain.jpg" height="200" width="200" alt="mountain">

        </div>

    </div>

</body>

</html>

**OUTPUT**



1. **Create a striped table using CSS.**

**SOURCE CODE**

<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>Zebra Strip Table</title>

    <style>

        table {

          width: 100%;

          border-collapse: collapse;

        }

        th,

        td {

          padding: 8px;

          text-align: left;

          border-bottom: 1px solid #ddd;

        }

        tbody tr:nth-child(odd) {

          background-color: #f2f2f2;

        }

        tbody tr:nth-child(even) {

          background-color: #fff;

        }

      </style>

</head>

<body>

    <table>

        <tr>

            <th>Roll No</th>

            <th>First Name</th>

            <th>Last Name</th>

        </tr>

        <tr>

            <td>9</td>

            <td>Ram</td>

            <td>Sharma</td>

        </tr>

        <tr>

            <td>19</td>

            <td>Shyam</td>

            <td>Poudel</td>

        </tr>

        <tr>

            <td>22</td>

            <td>Sundar</td>

            <td>Shrestha</td>

        </tr>

        <tr>

            <td>30</td>

            <td>Nabin</td>

            <td>Thapa</td>

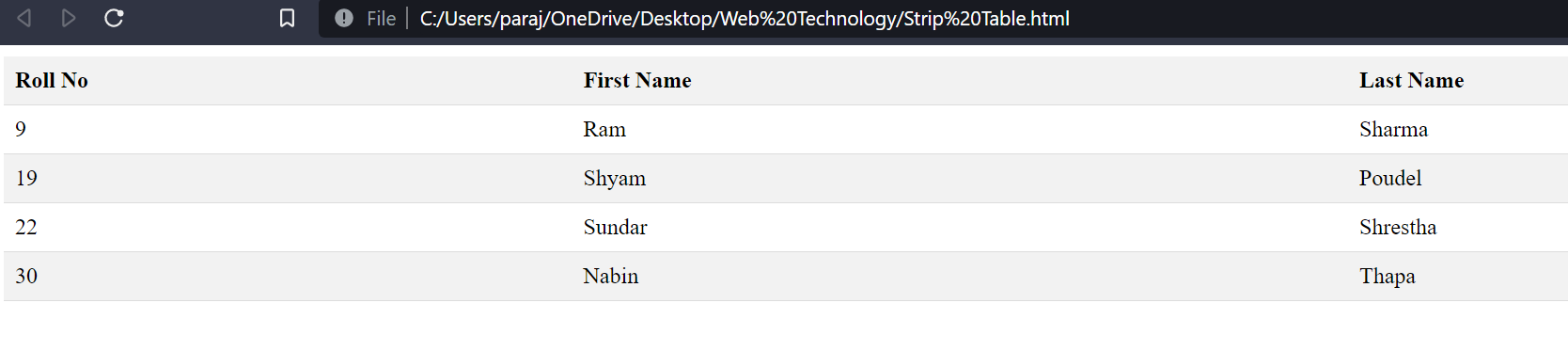
        </tr>

    </table>

</body>

</html>

**OUTPUT**

****

1. **Create a link and apply CSS in such way that the links may represents different color for different events. For example, while hovering, it may be displayed in red color, after visiting the link it may be displayed in yellow, etc.**

**SOURCE CODE**

<!DOCTYPE html>

<html>

<head>

    <title>Link with CSS</title>

    <style>

        a {

            color: blue;

            text-decoration: none;

        }

        a:hover {

            color: red;

            text-decoration: underline;

        }

        a:visited {

            color: purple;

        }

        a:active {

            color: green;

        }

    </style>

</head>

<body>

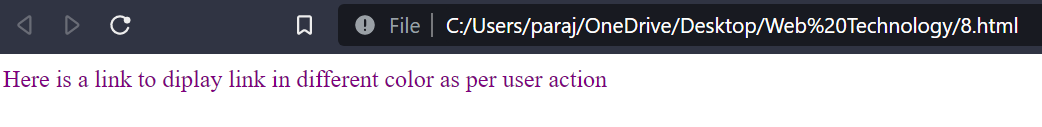
    <!-- link -->

    <a href="https://www.example.com">Here is a link to diplay link in different color as per user action</a>

</body>

</html>

**OUTPUT**

****

**JAVASCRIPT**

1. **Write a JavaScript conditional statement to sort three numbers. Display an alert box to show the result.**

**SOURCE CODE**

<html>

<head>

    <meta charset="utf-8">

    <title></title>

</head>

<body>

</body>

<script>

    var temp,ok;

    let a=[];

    a[0]=9;

    a[1]=3;

    a[2]=1;

    for(i=0;i<3;i++)

    {

        ok=a[i];

        for(j=0;j<3;j++)

        {

            if(a[i]<a[j])

            {

                temp=a[i];

                a[i]=a[j];

                a[j]=temp;

            }

        }

    }

    console.log(a[0])

    alert("The sorting number is"+" "+a[0]+" "+a[1]+" "+a[2]);

</script>

</html>

**Text

Description automatically generatedOUTPUT**

1. **Write a JavaScript for loop that will iterate from 0 to 15. For each iteration, it will check if the current number is odd or even, and display a message to the screen.**

**SOURCE CODE**

<html>

<head>

    <title></title>

</head>

<body>

    <p>

</body>

<script>

    for(i=0;i<=15;i++)

    {

        if(i%2==0)

        {

            document.write(i+ " is Even Number"+ "<br>");

        }

        else

        {

            document.write(i+ " is Odd Number"+ "<br>");

        }

    }

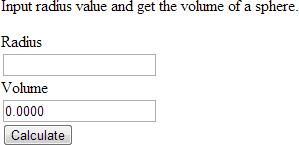
    </script>

</html>

**Graphical user interface, text

Description automatically generatedOUTPUT**

1. **Write a JS program to calculate the volume of sphere.**



**SOURCE CODE**

<html>

<head>

    <meta charset="utf-8">

    <title></title>

</head>

<body>

    <p>Input radius value and get volume of sphere</p>

    <div class="first">

<label>Enter your radius</label><br>

<input type="number"id="first">

</div>

<p>Volume</p>

<div class="second">

<input type="number"id="second">

</div>

<button onclick="callli()">Calculate</button>

</body>

<script>

    function callli()

    {

    var first=document.getElementById("first").value;

    var second=(4/3)\*3.14\*first\*first\*first;

document.getElementById("second").value=second;

}

</script>

</html>

**Graphical user interface, text

Description automatically generated**

**OUTPUT**

1. **Write a JavaScript program to highlight the bold words of the following paragraph, on mouse over a certain link.**

**SOURCE CODE**

<html>

<head>

    <meta charset="utf-8">

    <title></title>

</head>

<body>

<p id="highlight" onmouseover="changecolor()" onmouseleave="samestate()">We have just started this section for the users (beginner to intermediate) who want to work with various JavaScript problems and write scripts online to test their JavaScript skill.</p>

</body>

<script>

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

    function changecolor()

    {

         x.style.color = 'blue';

         x.style.fontWeight = 'bold';

    }

    function samestate()

    {

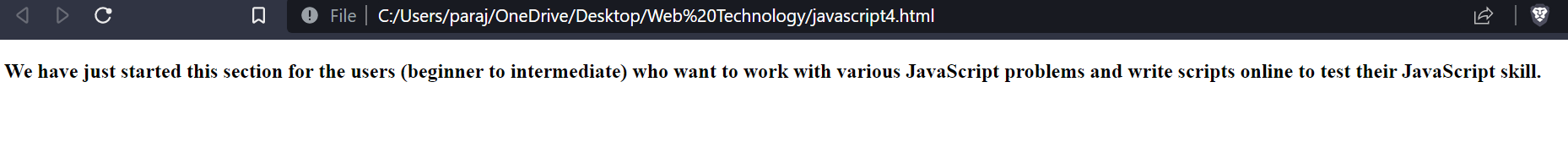
        x.style.color='black';

    }

</script>

</html>

**OUTPUT**

****

1. **Write a JavaScript function to check whether a given value is alpha numeric or not.**

**SOURCE CODE**

<html>

<head>

    <title>Check if Value is Alphanumeric</title>

</head>

<body>

    <label for="input-field">Enter a value:</label>

    <input type="text" id="input-field">

    <button onclick="checkAlphanumeric()">Check if Alphanumeric</button>

</body>

<script>

        function checkAlphanumeric() {

            const inputValue = document.querySelector('#input-field').value;

            if (/^[a-zA-Z0-9]+$/.test(inputValue)) {

                alert('The value is alphanumeric');

            } else {

                alert('The value is not alphanumeric');

            }

        }

    </script>

</html>

**OUTPUT**

Graphical user interface, application

Description automatically generated

1. **Write a program to validate email and password where password should be mix of alphabets, numbers and other characters.**

**SOURCE CODE**

<html>

<head>

    <title>Email and Password Validation</title>

</head>

<body>

    <form>

        <label for="email-field">Email:</label>

        <input type="email" id="email-field" required><br><br>

        <label for="password-field">Password:</label>

        <input type="password" id="password-field" required><br><br>

        <button onclick="validateForm()">Submit</button>

    </form>

</body>

<script>

        function validateForm() {

            console.log("i am inside function")

            const emailValue = document.querySelector('#email-field').value;

            const password = document.querySelector('#password-field').value;

            const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

            const lettersRegex = /[a-zA-Z]/;

            const numbersRegex = /[0-9]/;

            const specialCharsRegex = /[!@#$%^&\*()\_+\-=\[\]{};':"\\|,.<>\/?]/;

            if (!emailRegex.test(emailValue)) {

                alert('Please enter a valid email address');

            }

            else if(!lettersRegex.test(password)||(!numbersRegex.test(password))||(!specialCharsRegex.test(password))) {

                 alert("Your password should contain at least one letter, one number, and one special character.");

            }

else {

  alert("Your  form submitted successfully");

}

}

    </script>

</html>

**OUTPUT**

Graphical user interface, text, application

Description automatically generated

**AJAX and XML**

1. **Create a XMLHttpRequest, and retrieve data from a txt file.**

<!DOCTYPE html>

<html>

<body>

<div id="demo">

<h2>The XMLHttpRequest and Retriving Data</h2>

<button type="button" onclick="loadDoc()">Send Request</button>

</div>

<script>

function loadDoc() {

const xhttp = new XMLHttpRequest();

xhttp.onload = function() {

document.getElementById("demo").innerHTML =

this.responseText;

}

xhttp.open("GET", "ajax\_info.txt");

xhttp.send();

}

</script>

</body>

</html>

**OUTPUT**

Text

Description automatically generated

Text, letter

Description automatically generated

1. **Design a form containing a field ‘name’ that provides suggestions by retrieving the content from PHP file.**

<!DOCTYPE html>

<html>

<body>

<h4>Saphal Lab 5.2</h4>

<h2>Retriving Suggestions from PHP file

</h2>

<h3>Enter your name below:</h3>

<p>Suggestions: <span id="txtHint"></span></p>

<p>First name: <input type="text" id="txt1" onkeyup="showHint(this.value)"></p>

<script>

function showHint(str) {

if (str.length == 0) {

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

return;

}

const xhttp = new XMLHttpRequest();

xhttp.onload = function() {

document.getElementById("txtHint").innerHTML =

this.responseText;

}

xhttp.open("GET", "gethint.php?q=" + str);

xhttp.send();

}

</script>

</body>

</html>

**OUTPUT**

**Graphical user interface, text

Description automatically generated**

1. **Create cdcatalog.xml file that stores the information about CDs. The XML file should contain the title, artist, country, company, price and year of CDs. Now display the content of that XML file using HTML table.**

<!DOCTYPE html>

<html>

<style>

table,th,td {

border : 1px solid black;

border-collapse: collapse;

}

th,td {

padding: 5px;

}

</style>

<body>

<button type="button" onclick="loadXMLDoc()">Get my CD collection</button>

<br><br>

<table id="demo"></table>

<script>

function loadXMLDoc() {

const xhttp = new XMLHttpRequest();

xhttp.onload = function() {

const xmlDoc = xhttp.responseXML;

const cd = xmlDoc.getElementsByTagName("CD");

myFunction(cd)

}

xhttp.open("GET", "cdcatalog.xml");

xhttp.send();

}

function myFunction(cd) {

let table="<tr><th>Artist</th><th>Title</th></tr>";

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

table += "<tr><td>" +

cd[i].getElementsByTagName("ARTIST")[0].childNodes[0].nodeValue +

"</td><td>" +

cd[i].getElementsByTagName("TITLE")[0].childNodes[0].nodeValue +

"</td></tr>";

}

document.getElementById("demo").innerHTML = table;

}

</script>

</body>

</html>

**OUTPUT:**

**Table

Description automatically generated**

**PHP**

1. Write a PHP program to compute the sum of the prime numbers less than 200.

**Source Code:**

<?php

function isPrime($n) {

if ($n <= 1) {

return false;

}

for ($i = 2; $i <= sqrt($n); $i++) {

if ($n % $i == 0) {

return false;

}

}

return true;

}

$sum = 0;

for ($i = 2; $i < 200; $i++) {

if (isPrime($i)) {

$sum += $i;

}

}

echo "The sum of prime numbers less than 200 is: $sum";

?>

**OUTPUT:**

Graphical user interface, text

Description automatically generated

1. Write a PHP script to convert lowercase string to uppercase.

**SOURCE CODE:**

<?php

 $str = "hello  HOW are You All 123$#%";

 $resStr = strtoupper($str);

 print\_r($resStr);

?>

**OUTPUT:**

Graphical user interface, text, website

Description automatically generated with medium confidence

1. Write a PHP script to calculate and print the factorial of a number using a for loop.

**SOURCE CODE:**

<?php

$num = 7;

$factorial = 1;

for ($i = 1; $i <= $num; $i++) {

$factorial \*= $i;

}

echo "The factorial of $num is: $factorial";

?>

**OUTPUT:**

Graphical user interface, text, application, chat or text message

Description automatically generated

1. Write a PHP function to set union of two arrays.

**SOURCE CODE:**

<?php

function array\_union($x, $y)

   {

      $aunion=  array\_merge(

            array\_intersect($x, $y),

            array\_diff($x, $y),

            array\_diff($y, $x)

        );

        return $aunion;

   }

$p = array(3, 5, 7, 9,20);

$r = array(2, 3, 7, 8, 20, 31);

print\_r(array\_union($p, $r));

?>

OUTPUT:

Graphical user interface, website

Description automatically generated

**PHP and MYSQL**

1. **Create Database named “SL”.**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "SL";

$conn = new mysqli($servername, $username, $password, $dbname);

 if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

 $sql = "CREATE TABLE students (

        roll\_no INT(6) UNSIGNED AUTO\_INCREMENT PRIMARY KEY,

        first\_name VARCHAR(30) NOT NULL,

        last\_name VARCHAR(30) NOT NULL,

        gender ENUM('Male', 'Female', 'Other') NOT NULL,

        address VARCHAR(100) NOT NULL,

        contact\_no VARCHAR(20) NOT NULL

    )";

if ($conn->query($sql) === TRUE) {

    echo "Table students created successfully";

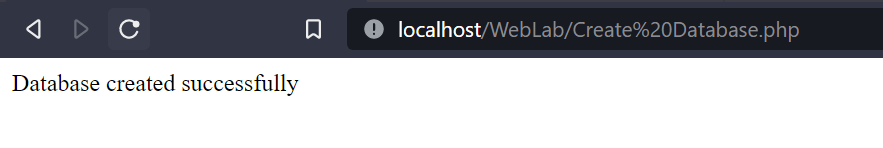
} else {

    echo "Error creating table: " . $conn->error;

}

$conn->close();

?>



1. **Create table “students” with fields roll\_no, first\_name, last\_name, gender, address and contact\_no.**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "SL";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

$sql = "CREATE TABLE student (

        roll\_no INT(6) UNSIGNED AUTO\_INCREMENT PRIMARY KEY,

        first\_name VARCHAR(30) NOT NULL,

        last\_name VARCHAR(30) NOT NULL,

        gender ENUM('Male', 'Female', 'Other') NOT NULL,

        address VARCHAR(100) NOT NULL,

        contact\_no VARCHAR(20) NOT NULL

    )";

if ($conn->query($sql) === TRUE) {

    echo "Students table created successfully";

} else {

    echo "Error creating table: " . $conn->error;

}

$conn->close();

?>

**Graphical user interface, text, application

Description automatically generated**

1. **Insert at least 6 data into the table ‘students’ by creating form .**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "SL";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    $first\_name = $\_POST["first\_name"];

    $last\_name = $\_POST["last\_name"];

    $gender = $\_POST["gender"];

    $address = $\_POST["address"];

    $contact\_no = $\_POST["contact\_no"];

    $sql = "INSERT INTO students (first\_name, last\_name, gender, address, contact\_no)

            VALUES ('$first\_name', '$last\_name', '$gender', '$address', '$contact\_no')";

    if ($conn->query($sql) === TRUE) {

        echo "New record created successfully";

    } else {

        echo "Error: " . $sql . "<br>" . $conn->error;

    }

}

$conn->close();

?>

<!DOCTYPE html>

<html>

<head>

    <title>Insert Student Data</title>

</head>

<body>

    <h1>Insert Student Data</h1>

    <form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]); ?>">

        <label>First Name:</label>

        <input type="text" name="first\_name"><br><br>

        <label>Last Name:</label>

        <input type="text" name="last\_name"><br><br>

        <label>Gender:</label>

        <input type="radio" name="gender" value="Male"> Male

        <input type="radio" name="gender" value="Female"> Female

        <input type="radio" name="gender" value="Other"> Other<br><br>

        <label>Address:</label>

        <textarea name="address"></textarea><br><br>

        <label>Contact No:</label>

        <input type="text" name="contact\_no"><br><br>

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

    </form>

**Graphical user interface, text, application

Description automatically generated**</body>

</html>

**A picture containing graphical user interface

Description automatically generated**

1. **Display all the records from table ‘students’.**

<?php

$servername="localhost";

$user="root";

$pass="";

$db="SL";

$conn=new mysqli($servername, $user, $pass, $db);

if($conn->connect\_error)

{ die("Connection failed".$conn->connect\_error);

}

echo "Connected Successfully"."<br/>";

$sql="select \* from students";

$result=$conn->query($sql);

if($result->num\_rows>0){

while($row=$result->fetch\_assoc()){

echo "Roll No:". $row['roll\_no']."-FirstName:".$row['first\_name']."-LastName:".$row['last\_name']."-Gender:".$row['gender']."-Address:".$row['address']."-Contact:".$row['contact\_no']."<br/>";

}

}

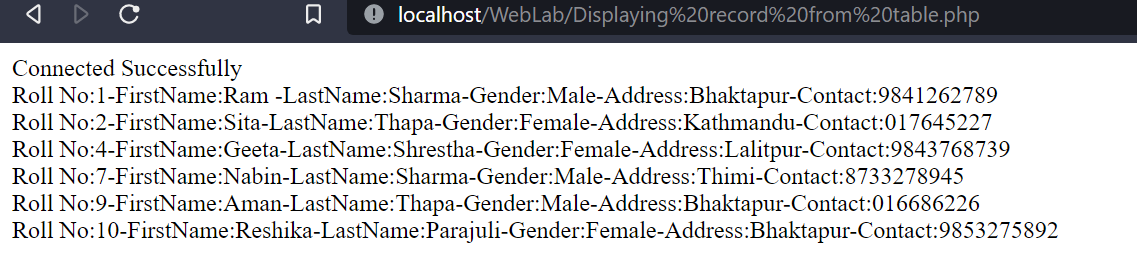
else{

echo "0 results";

};

$conn->close()

?>

****

1. **Display all the records from table ‘students’ where gender is male.**

<?php

$servername="localhost";

$user="root";

$pass="";

$db="SL";

$conn=new mysqli($servername, $user, $pass, $db);

if($conn->connect\_error)

{ die("Connection failed".$conn->connect\_error);

}

echo "Connected Successfully"."<br/>";

$sql="select \* from students";

$result=$conn->query($sql);

if($result->num\_rows>0){

while($row=$result->fetch\_assoc()){

if($row["gender"]=="Male")

echo "Roll No:". $row['roll\_no']."-FirstName:".$row['first\_name']."-LastName:".$row['last\_name']."-Gender:".$row['gender']."-Address:".$row['address']."-Contact:".$row['contact\_no']."<br/>";

}

}

else{

echo "0 results";

};

$conn->close()

?>

**Text

Description automatically generated**

1. **Update the contact number and address of last student in the list.**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "SL";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

$sql = "UPDATE students SET contact\_no='1234567890', address='Kadaghari' ";

if (mysqli\_query($conn, $sql)) {

    echo "Record updated successfully";

} else {

    echo "Error updating record: " . mysqli\_error($conn);

}

mysqli\_close($conn);

?>

Graphical user interface

Description automatically generated with medium confidence

1. **Delete the second record in the list.**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "SL";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

$sql = "DELETE FROM students WHERE first\_name = 'Ram' ";

if (mysqli\_query($conn, $sql)) {

echo "Record deleted successfully";

} else {

echo "Error deleting record: " . mysqli\_error($conn);

}

mysqli\_close($conn);

?>

**Graphical user interface

Description automatically generated with medium confidence**

1. **Display the records in the table in the ascending order of names.**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "SL";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

$sql = "SELECT \* FROM students ORDER BY first\_name ASC, last\_name ASC";

$result = mysqli\_query($conn, $sql);

if (mysqli\_num\_rows($result) > 0) {

while($row = mysqli\_fetch\_assoc($result)) {

echo "Roll No.: " . $row["roll\_no"] . " - Name: " . $row["first\_name"] . " " . $row["last\_name"] . " - Gender: " . $row["gender"] . " - Address: " . $row["address"] . " - Contact No.: " . $row["contact\_no"] . "<br>";

}

} else {

echo "No records found";

}

// Close connection

mysqli\_close($conn);

?>

Text

Description automatically generated