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Roll N0 : 266 (S8) Practical : 12

Index.html

<!DOCTYPE html>

<html>

<head>

  <title>Sort Student Records with AJAX</title>

  <style>

    body {

      font-family: Arial, sans-serif;

      background-color: #f2f2f2;

      padding: 30px;

    }

    h2 {

      color: #2c3e50;

    }

    select, button {

      padding: 8px 12px;

      font-size: 16px;

      margin: 10px 5px;

    }

    table {

      margin-top: 20px;

      border-collapse: collapse;

      width: 80%;

      background-color: white;

    }

    th, td {

      border: 1px solid #ccc;

      padding: 12px;

      text-align: center;

    }

    th {

      background-color: #3498db;

      color: white;

    }

    tr:nth-child(even) {

      background-color: #f9f9f9;

    }

  </style>

  <script>

    function sortStudents() {

      const column = document.getElementById("column").value;

      const order = document.getElementById("order").value;

      const xhr = new XMLHttpRequest();

      xhr.open("GET", "sort.php?column=" + column + "&order=" + order, true);

      xhr.onreadystatechange = function () {

        if (xhr.readyState === 4 && xhr.status === 200) {

          document.getElementById("result").innerHTML = xhr.responseText;

        }

      };

      xhr.send();

    }

     window.onload = sortStudents;

  </script>

</head>

<body>

  <h2>Sort Student Records using AJAX</h2>

  <label for="column">Sort by:</label>

  <select id="column" onchange="sortStudents()">

    <option value="roll\_no">Roll No</option>

    <option value="name">Name</option>

    <option value="age">Age</option>

    <option value="marks">Marks</option>

  </select>

  <label for="order">Order:</label>

  <select id="order" onchange="sortStudents()">

    <option value="ASC">Ascending</option>

    <option value="DESC">Descending</option>

  </select>

  <div id="result"></div>

</body>

</html>

**Search.php**

<?php

$host = "localhost";

$user = "root";

$pass = "";

$db = "studdb";

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

if ($conn->connect\_error) {

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

}

$column = "roll\_no";

$order = "ASC";

if (isset($\_GET['column'])) {

  $col = $\_GET['column'];

  if ($col == "roll\_no" || $col == "name" || $col == "age" || $col == "marks") {

    $column = $col;

  }

}

if (isset($\_GET['order'])) {

  $ord = strtoupper($\_GET['order']);

  if ($ord == "ASC" || $ord == "DESC") {

    $order = $ord;

  }

}

$sql = "SELECT \* FROM students ORDER BY $column $order";

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

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

  echo "<table>

          <tr>

            <th>Roll No</th>

            <th>Name</th>

            <th>Age</th>

            <th>Marks</th>

          </tr>";

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

    echo "<tr>

            <td>{$row['roll\_no']}</td>

            <td>{$row['name']}</td>

            <td>{$row['age']}</td>

            <td>{$row['marks']}</td>

          </tr>";

  }

  echo "</table>";

} else {

  echo "No student records found.";

}

$conn->close();

?>

**Output**







