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Sub : SEM-II

Roll NO : 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

Sort Student Records with AJAX

localhost/sem_II/pr12/

Sort Student Records using AJAX

Sort by: Order:

Roll No	Name	Age	Marks
101	Ravi Kumar	20	88.5
102	Sita Sharma	19	92
103	Amit Verma	21	76.3
104	Priya Mehta	18	85
105	Neha Joshi	22	90.2

Sort Student Records with AJAX

localhost/sem_II/pr12/

Sort Student Records using AJAX

Sort by: Order:

Roll No	Name	Age	Marks
103	Amit Verma	21	76.3
105	Neha Joshi	22	90.2
104	Priya Mehta	18	85
101	Ravi Kumar	20	88.5
102	Sita Sharma	19	92

Sort Student Records with AJAX

localhost/sem_II/pr12/

Sort Student Records using AJAX

Sort by: Name Order: Descending

Roll No	Name	Age	Marks
102	Sita Sharma	19	92
101	Ravi Kumar	20	88.5
104	Priya Mehta	18	85
105	Neha Joshi	22	90.2
103	Amit Verma	21	76.3

Sort Student Records with AJAX

localhost/sem_II/pr12/

Sort Student Records using AJAX

Sort by: Marks Order: Descending

Roll No	Name	Age	Marks
102	Sita Sharma	19	92
105	Neha Joshi	22	90.2
101	Ravi Kumar	20	88.5
104	Priya Mehta	18	85
103	Amit Verma	21	76.3