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**Roll No : 271 Practical : 11**

**Aim: Write a PHP program to sort the student records which are stored in the database using ascending/descending order**

**Code:**

**sort\_students.php**

<?php

$host = "localhost";

$username = "root";

$password = "";

$dbname = "student\_db";

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

// Check connection

if ($conn->connect\_error) {

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

}

$order = "ASC"; // Default

if (isset($\_POST['sort'])) {

    if ($\_POST['sort'] === "asc") {

        $order = "ASC";

    } elseif ($\_POST['sort'] === "desc") {

        $order = "DESC";

    }

}

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

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

?>

<!DOCTYPE html>

<html>

<head>

    <title>Sort Student Records</title>

    <style>

        body {

            font-family: Arial;

            padding: 30px;

            background: #f7f7f7;

        }

        table {

            border-collapse: collapse;

            width: 50%;

            margin: auto;

            background: white;

            box-shadow: 0 0 10px #ccc;

        }

        th, td {

            padding: 12px;

            border-bottom: 1px solid #ddd;

            text-align: center;

        }

        h2 {

            text-align: center;

        }

        form {

            text-align: center;

            margin-bottom: 20px;

        }

        select, button {

            padding: 8px 12px;

            font-size: 16px;

        }

    </style>

</head>

<body>

<h2>Sort Student Records</h2>

<form method="post">

    <label>Sort by Name:</label>

    <select name="sort">

        <option value="asc" <?= ($order == "ASC") ? "selected" : "" ?>>Ascending</option>

        <option value="desc" <?= ($order == "DESC") ? "selected" : "" ?>>Descending</option>

    </select>

    <button type="submit">Sort</button>

</form>

<table>

    <tr>

        <th>ID</th>

        <th>Name</th>

        <th>Marks</th>

    </tr>

    <?php if ($result && $result->num\_rows > 0): ?>

        <?php while($row = $result->fetch\_assoc()): ?>

            <tr>

                <td><?= $row["id"] ?></td>

                <td><?= htmlspecialchars($row["name"]) ?></td>

                <td><?= $row["marks"] ?></td>

            </tr>

        <?php endwhile; ?>

    <?php else: ?>

        <tr><td colspan="3">No records found</td></tr>

    <?php endif; ?>

</table>

</body>

</html>

<?php $conn->close(); ?>

**OUTPUT:**



