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

<?php

$conn = new mysqli("localhost", "root", "", "demo"); if ($conn->connect\_error) { die("Connection failed: " . $conn->connect\_error);

}

$sort\_by = isset($\_GET['sort\_by']) ? $\_GET['sort\_by'] : 'name';

$order = isset($\_GET['order']) ? $\_GET['order'] : 'ASC';

$allowed\_columns = ['id', 'name', 'marks']; $allowed\_orders = ['ASC', 'DESC']; if (!in\_array($sort\_by, $allowed\_columns)) $sort\_by = 'name'; if (!in\_array($order, $allowed\_orders)) $order = 'ASC';

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

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

?>

<!DOCTYPE html>

<html>

<head>

<title>Student Record Sorting</title>

<style>

h2 { text-align: center; } form { text-align: center; margin-bottom: 20px;

} table { width: 60%; margin: auto; border-collapse: collapse;

} th, td { border: 1px solid #ddd; padding: 10px; text-align: center;

}

select, input[type="submit"] { padding: 5px 10px; margin: 5px;

}

</style>

</head>

<body>

<h2>Sort Student Records</h2> <form method="GET">

<label for="sort\_by">Sort by:</label>

<select name="sort\_by" id="sort\_by">

<option value="id" <?= $sort\_by == 'id' ? 'selected' : '' ?>>ID</option>

<option value="name" <?= $sort\_by == 'name' ? 'selected' : '' ?>>Name</option>

<option value="marks" <?= $sort\_by == 'marks' ? 'selected' : '' ?>>Marks</option> </select>

<label for="order">Order:</label>

<select name="order" id="order">

<option value="ASC" <?= $order == 'ASC' ? 'selected' : '' ?>>Ascending</option>

<option value="DESC" <?= $order == 'DESC' ? 'selected' : '' ?>>Descending</option> </select>

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

</form>

<table>

<tr>

<th>ID</th>

<th>Name</th>

<th>Marks</th>

</tr>

<?php if ($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:

* Sort by Marks

A screenshot of a computer

AI-generated content may be incorrect.

* Sort by ID