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
<?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:

Sort Student Records

Sort by Name: Ascending ▾ Sort

ID	Name	Marks
4	Cersei Lannister	66
2	Jon Snow	72
5	Arya Stark	78
1	Daenerys Targaryen	85
3	Tyrion Lannister	91

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