**Aim: Write a PHP program to perform search operation on the student records using AJAX.**

• **Index.html**

<!DOCTYPE html>

<html>

<head>

<title>Student Search</title>

<script> function searchStudent() {

var query = document.getElementById("searchInput").value;

var xhr = new XMLHttpRequest(); xhr.open("GET", "search.php?q=" + query, true); xhr.onreadystatechange = function () { if (xhr.readyState == 4 && xhr.status == 200) {

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

} };

xhr.send();

}

</script>

</head>

<body>

<h2>Search Student Records</h2>

<input type="text" id="searchInput" onkeyup="searchStudent()" placeholder="Enter name or roll number">

<div id="result"></div>

</body> </html>

• **Search.php**

<?php

$connection = new mysqli("localhost", "root", "", "studentdb");

if ($connection->connect\_error) {

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

$q = isset($\_GET['q']) ? $connection->real\_escape\_string($\_GET['q']) : '';

$sql = "SELECT \* FROM students WHERE name LIKE '%$q%' OR roll\_number LIKE '%$q%'";

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

if ($result->num\_rows > 0) { echo "<table border='1' cellpadding='8'> <tr>

<th>ID</th><th>Name</th><th>Roll Number</th><th>Course</th>

</tr>";

while ($row = $result->fetch\_assoc()) { echo "<tr>

<td>{$row['id']}</td>

<td>{$row['name']}</td>

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

<td>{$row['course']}</td>

</tr>";

}

echo "</table>";

} else {

echo "No results found.";

}

$connection->close();

?>

**Output:**

A screenshot of a chat

AI-generated content may be incorrect.