

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'>
```

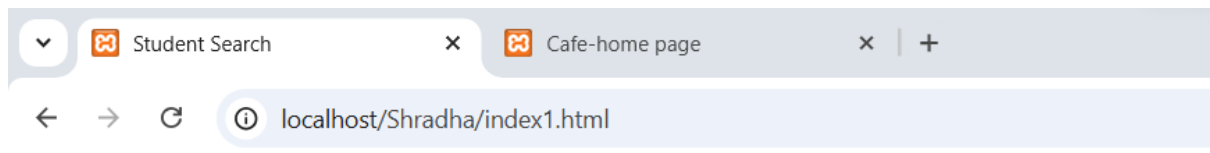
```

        <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.";
}

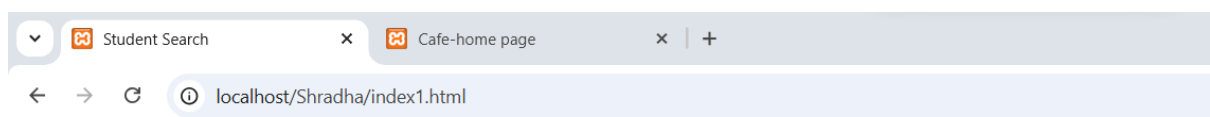
$connection->close();
?>

```

Output:

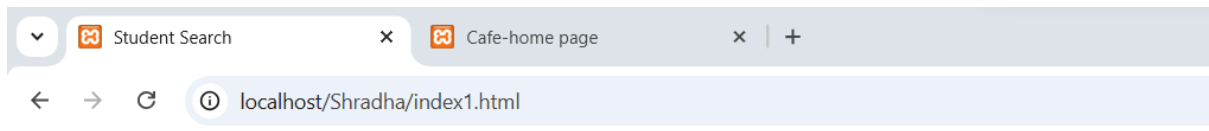


Search Student Records



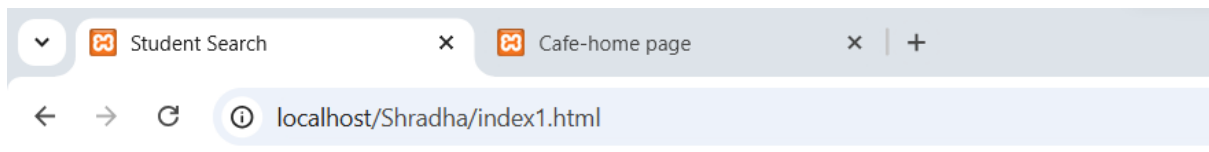
Search Student Records

a			
ID	Name	Roll Number	Course
1	Shradha Bidwai	101	Computer Science
2	Aarti kotalwar	102	Electronics
3	Neha Sharma	303	Mechanical
4	Aarya palimkar	104	Electrical
5	Nikita Desai	505	IT



Search Student Records

<input type="text" value="101"/>			
ID	Name	Roll Number	Course
1	Shradha Bidwai	101	Computer Science



Search Student Records

<input type="text" value="5"/>			
ID	Name	Roll Number	Course
5	Nikita Desai	505	IT