**Experiement no: 11 Write a PHP program to perform search operation on the student records using AJAX.**

**Code:**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>PR11</title>

</head>

<body>

    <div class="container" style="border: 1px solid">

        <label for="rollno">Roll no:</label>

        <input type="number" name="rollno" id="rollno">

        <br>

        <button id="btn">Search</button>

    </div>

    <div style="border: 1px blue solid;">

        <p id="Responce"></p>

    </div>

    <script>

        let btn = document.getElementById("btn");

        btn.addEventListener('click', function() {

            // var rollno = document.getElementById("rollno");

            const rollno= document.getElementById("rollno").value;

            console.log("search entered");

            let xhr = new XMLHttpRequest();

            xhr.open("POST", "search.php", true);

            xhr.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");

            xhr.onreadystatechange = function() {

                if (this.readyState == 4 && this.status == 200) {

                    document.getElementById("Responce").innerHTML = this.responseText

                }

            }

console.log(rollno)

            xhr.send("rollno="+encodeURIComponent(rollno));

        })

    </script>

</body>

</html>

**Search.php**

<?php

$con = mysqli\_connect("localhost", "root", "", "student");

if (!isset($con)) {

    echo "Error:" . mysqli\_error($con);

}

?>

<?php

if($\_SERVER["REQUEST\_METHOD"]=="POST"){

    $rollno=intval($\_POST["rollno"]);

    $query="SELECT rollno,name,class,prnno FROM student where  rollno=".$rollno."";

   $result= mysqli\_query($con,$query);

   echo "<table  border='1' cellpadding='5'>

        <tr>

            <th>Roll no</th>

            <th>Name</th>

            <th>class</th>

            <th>PRN no</th>

        </tr>";

    if (mysqli\_num\_rows($result) > 0) {

        // output data of each row

        while ($row = mysqli\_fetch\_assoc($result)) {

            echo "<tr>

            <td>" . $row['rollno'] . "</td>

             <td>" . $row['name'] . "</td>

            <td>" . $row['class'] . "</td>

            <td>" . $row['prnno'] . "</td>

            </tr>

            ";        }

    } else {

        echo "0 results";

    }

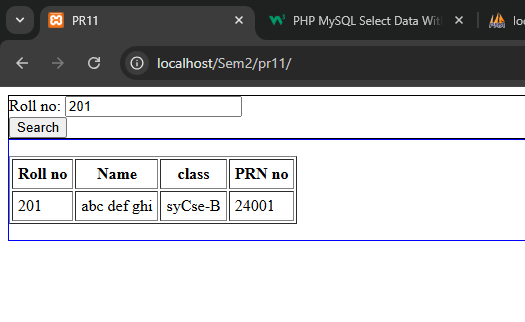
    }

    echo"</table>";

mysqli\_close($con);

?>

**Output:**

****

**Experiement no: 12. Write a PHP program to sort the student records which are stored in the database using ascending/descending order.**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>PR12</title>

</head>

<body>

    <div class="container" style="border: 1px solid">

        <label for="order">select a order:</label>

        <br>

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

            <option value="ascending">ascending</option>

            <option value="decending">decending</option>

        </select>

        <br>

        <button id="btn">Select</button>

    </div>

    <div style="border: 1px blue solid;">

        <p id="Responce"></p>

    </div>

    <script>

        let btn = document.getElementById("btn");

        btn.addEventListener('click', function() {

           let a =document.getElementById("order").value;

            let xhr = new XMLHttpRequest();

            xhr.open("POST", "search.php", true);

            xhr.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");

            xhr.onreadystatechange = function() {

                if (this.readyState == 4 && this.status == 200) {

                    document.getElementById("Responce").innerHTML = this.responseText

                }

            }

            xhr.send("order="+encodeURIComponent(a));

        })

    </script>

</body>

</html>

**Search.php**

<?php

$con = mysqli\_connect("localhost", "root", "", "student");

if (!isset($con)) {

    echo "Error:" . mysqli\_error($con);

}

?>

<?php

if($\_SERVER["REQUEST\_METHOD"]=="POST"){

    if($\_POST["order"]=="ascending"){

    $query= "SELECT \* FROM student  ORDER by rollno ASC";}

    else{

        $query = "SELECT \* FROM student  ORDER by rollno DESC";

    }

}

   $result= mysqli\_query($con,$query);

   echo "<table  border='1' cellpadding='5'>

        <tr>

            <th>Roll no</th>

            <th>Name</th>

            <th>class</th>

            <th>PRN no</th>

        </tr>";

    if (mysqli\_num\_rows($result) > 0) {

        // output data of each row

        while ($row = mysqli\_fetch\_assoc($result)) {

            echo "<tr>

            <td>" . $row['rollno'] . "</td>

             <td>" . $row['name'] . "</td>

            <td>" . $row['class'] . "</td>

            <td>" . $row['prnno'] . "</td>

            </tr>

            ";        }

    } else {

        echo "0 results";

    }

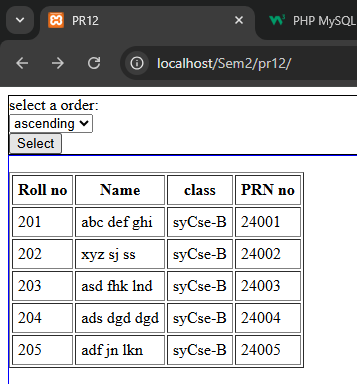
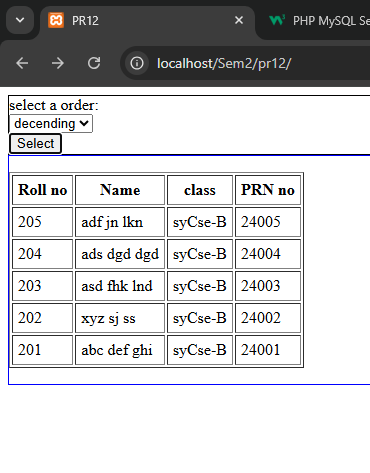
    echo"</table>";

mysqli\_close($con);

?>

**Output:**

**Ascending Descending**

**** ****