**Modern Education Society’s**

**Wadia College of Engineering, Pune**

**Department of Computer Engineering**

|  |
| --- |
| **NAME OF STUDENT: CLASS:** |
| **SEMESTER/YEAR: ROLL NO:** |
| **DATE OF PERFORMANCE: DATE OF SUBMISSION:** |
| **EXAMINED BY: EXPERIMENT NO: 07** |

###### TITLE: Add dynamic web application essence in using PHP, MySQL database connectivity.

**PROBLEM STATEMENT:** Builda dynamic web application using PHP and MySQL.

### **OBJECTIVES:**

1. To Understand Database connectivity using PHP.

### **OUTCOMES:**

1. To develop web application using PHP, and MySQL

**PRE-REQUISITES:**

* 1. Basic Knowledge of PHP
  2. Basic Knowledge MySQL

**APPARATUS:**

Computer, Web Browser, Code Editor, Apache Server, MySQL Client & Server etc.

**QUESTIONS:**

1. What is PHP? What are the rules for naming a PHP variable?

2. How can PHP and HTML interact?

3. What are the different types of Arrays in PHP?

4. Discuss Data types in PHP.

5. Discuss string manipulations in PHP with examples.

**CODE:**

***Index.php***

<?php

$conn = mysqli\_connect("localhost:3306", '', '', 'student\_db');

$sql = "SELECT \* FROM `students`;";

$res = mysqli\_query($conn, $sql);

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Practical 7</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

</head>

<body class="h-100 bg-light">

    <?php include "navbar.php" ?>

    <div class="container py-5">

        <h1 class="mb-5">Student Records</h1>

        <?php

        if (isset($\_GET['s'])) {

        ?>

            <div class="alert alert-<?= isset($\_GET['type']) ? $\_GET['type'] : 'primary' ?> alert-dismissible fade show" role="alert">

                <strong><?=$\_GET['s']?> </strong>

                <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>

            </div>

        <?php

        }

        ?>

        <table class="table table-striped">

            <thead>

                <tr>

                    <th>ID</th>

                    <th>Name</th>

                    <th>Class</th>

                    <th>Division</th>

                    <th>Address</th>

                    <th></th>

                    <th></th>

                </tr>

            </thead>

            <tbody>

                <?php

                while ($row = mysqli\_fetch\_row($res)) {

                ?>

                    <tr>

                        <td><?= $row['0'] ?></td>

                        <td><?= $row['1'] ?></td>

                        <td><?= $row['2'] ?></td>

                        <td><?= $row['3'] ?></td>

                        <td><?= $row['4'] ?></td>

                        <td>

                            <a href="edit.php?id=<?= $row['0'] ?>" class="btn btn-primary">

                                Edit

                            </a>

                        </td>

                        <td>

                            <a href="delete.php?id=<?= $row['0'] ?>" class="btn btn-danger">

                                Delete

                            </a>

                        </td>

                    </tr>

                <?php

                }

                ?>

            </tbody>

        </table>

    </div>

    <footer class="footer mt-auto py-3 bg-light">

        <div class="container">

            <span class="text-muted">Created in PHP and MySQL by Prathamesh Sable.</span>

        </div>

    </footer>

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF" crossorigin="anonymous"></script>

</body>

</html>

***Create.php***

<?php

$conn = mysqli\_connect("localhost:3306", '', '', 'student\_db');

if (isset($\_POST['submit'])) {

    $name = $\_POST['name'];

    $class = $\_POST['class'];

    $division = $\_POST['division'];

    $address = $\_POST['address'];

    $sql = "INSERT INTO `students`(`name`, `class`, `division`, `address`) VALUES ('$name','$class','$division','$address')";

    $res = mysqli\_query($conn, $sql);

    if (!$res) {

        header("location:index.php?s=Failed+To+Create&type=danger");

    } else {

        header("location:index.php?s=Created+Record&type=success");

    }

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Practical 7</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

</head>

<body class="h-100 bg-light">

    <?php include "navbar.php" ?>

    <div class="container py-5">

        <h2 class="mb-4">Add Record</h2>

        <form method="post">

            <div class="mb-3">

                <input type="text" name="name" placeholder="Enter Name" class="form-control">

            </div>

            <div class="mb-3">

                <select name="class" class="form-select">

                    <option value="" selected disabled hidden>Select Class</option>

                    <option value="Comp">Comp</option>

                    <option value="Mech">Mech</option>

                    <option value="EnTC">EnTC</option>

                    <option value="AnR">AnR</option>

                </select>

            </div>

            <div class="mb-3">

                <label for="">Division</label><br>

                <div class="form-check form-check-inline">

                    <input type="radio" name="division" id="div1" value="1" class="form-check-input">

                    <label for="div1" class="form-check-label">1</label>

                </div>

                <div class="form-check form-check-inline">

                    <input type="radio" name="division" id="div2" value="2" class="form-check-input">

                    <label for="div2" class="form-check-label">2</label>

                </div>

                <div class="form-check form-check-inline">

                    <input type="radio" name="division" id="div3" value="3" class="form-check-input">

                    <label for="div3" class="form-check-label">3</label>

                </div>

            </div>

            <div class="mb-3">

                <textarea name="address" id="" placeholder="Enter Address" cols="30" rows="5" class="form-control"></textarea>

            </div>

            <div class="mb-3">

                <input type="submit" name="submit" id="submit" class="btn btn-primary">

                <input type="reset" value="Reset" class="btn btn-secondary">

            </div>

        </form>

    </div>

    <footer class="footer mt-auto py-3 bg-light">

        <div class="container">

            <span class="text-muted">Created in PHP and MySQL by Prathamesh Sable.</span>

        </div>

    </footer>

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF" crossorigin="anonymous"></script>

</body>

</html>

***Edit.php***

<?php

$conn = mysqli\_connect("localhost:3306", '', '', 'student\_db');

if (!isset($\_GET['id']) && !isset($\_POST['id'])) {

    header("location: index.php");

    die;

}

if (isset($\_POST['submit'])) {

    $id = $\_POST['id'];

    $name = $\_POST['name'];

    $class = $\_POST['class'];

    $division = $\_POST['division'];

    $address = $\_POST['address'];

    $sql = "UPDATE `students`

    SET `name` = '$name',

    `class`='$class',

    `division`='$division',

    `address`='$address'

    WHERE `id` = $id";

echo $sql;

    $res = mysqli\_query($conn, $sql);

    if (!$res) {

        header("location:edit.php?s=Failed+To+Edit&type=danger");

    } else {

        header("location:index.php?s=Edited+Record&type=success");

    }

    die;

}

$stu\_id = $\_GET['id'];

$qry = "SELECT \* FROM students WHERE `id` = $stu\_id ";

$res = mysqli\_query($conn, $qry);

$fail = false;

if (!$res || mysqli\_num\_rows($res) < 1) {

    $fail = true;

} else {

    $data = mysqli\_fetch\_row($res);

}

// var\_dump($data);

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Practical 7</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

</head>

<body class="h-100 bg-light">

    <div class="container py-5">

        <h1 class="mb-5">Student Information System</h1>

        <h2 class="mb-4">Edit Record</h2>

        <?php

        if ($fail) {

        ?>

            <p>No Such Record Found</p>

        <?php

        } else {

        ?>

            <form method="post">

                <input type="text" name="id" value="<?= $data[0] ?>" hidden>

                <div class="mb-3">

                    <input type="text" name="name" placeholder="Enter Name" value="<?= $data[1] ?>" class="form-control">

                </div>

                <div class="mb-3">

                    <select name="class" class="form-select">

                        <option value="Comp" <?= $data[2] == 'Comp' ? 'selected' : '' ?>>Comp</option>

                        <option value="Mech" <?= $data[2] == 'Mech' ? 'selected' : '' ?>>Mech</option>

                        <option value="EnTC" <?= $data[2] == 'EnTC' ? 'selected' : '' ?>>EnTC</option>

                        <option value="AnR" <?= $data[2] == 'AnR' ? 'selected' : '' ?>>AnR</option>

                    </select>

                </div>

                <div class="mb-3">

                    <label for="">Division</label><br>

                    <div class="form-check form-check-inline">

                        <input type="radio" name="division" id="div1" value="1" <?= $data[3] == '1' ? 'checked' : '' ?> class="form-check-input">

                        <label for="div1" class="form-check-label">1</label>

                    </div>

                    <div class="form-check form-check-inline">

                        <input type="radio" name="division" id="div2" value="2" <?= $data[3] == '2' ? 'checked' : '' ?> class="form-check-input">

                        <label for="div2" class="form-check-label">2</label>

                    </div>

                    <div class="form-check form-check-inline">

                        <input type="radio" name="division" id="div3" value="3" <?= $data[3] == '3' ? 'checked' : '' ?> class="form-check-input">

                        <label for="div3" class="form-check-label">3</label>

                    </div>

                </div>

                <div class="mb-3">

                    <textarea name="address" id="" placeholder="Enter Address" cols="30" rows="5" class="form-control"><?= $data[4] ?></textarea>

                </div>

                <div class="mb-3">

                    <input type="submit" name="submit" id="submit" class="btn btn-primary">

                    <input type="reset" value="Reset" class="btn btn-secondary">

                </div>

            </form>

        <?php

        }

        ?>

    </div>

    <footer class="footer mt-auto py-3 bg-light">

        <div class="container">

            <span class="text-muted">Created in PHP and MySQL by Prathamesh Sable.</span>

        </div>

    </footer>

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF" crossorigin="anonymous"></script>

</body>

</html>

***Navbar.php***

<nav class="navbar navbar-expand-lg navbar-light bg-light">

  <div class="container-fluid">

    <a class="navbar-brand" href="index.php">Student Information System</a>

    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">

      <span class="navbar-toggler-icon"></span>

    </button>

    <div class="collapse navbar-collapse" id="navbarNavAltMarkup">

      <div class="navbar-nav">

        <a class="nav-link" aria-current="page" href="index.php">Home</a>

        <a class="nav-link" aria-current="page" href="create.php">Add Record</a>

      </div>

    </div>

  </div>

</nav>

***Delete.php***

<?php

$conn = mysqli\_connect("localhost:3306", '', '', 'student\_db');

if (!isset($\_GET['id'])) {

    header("location: index.php");

    die;

}else{

    $stu\_id = $\_GET['id'];

    $qry = "DELETE FROM students WHERE `id` = $stu\_id ";

    $res = mysqli\_query($conn, $qry);

    if (!$res) {

        header("location:index.php?s=Failed+To+Delete&type=danger");

    } else {

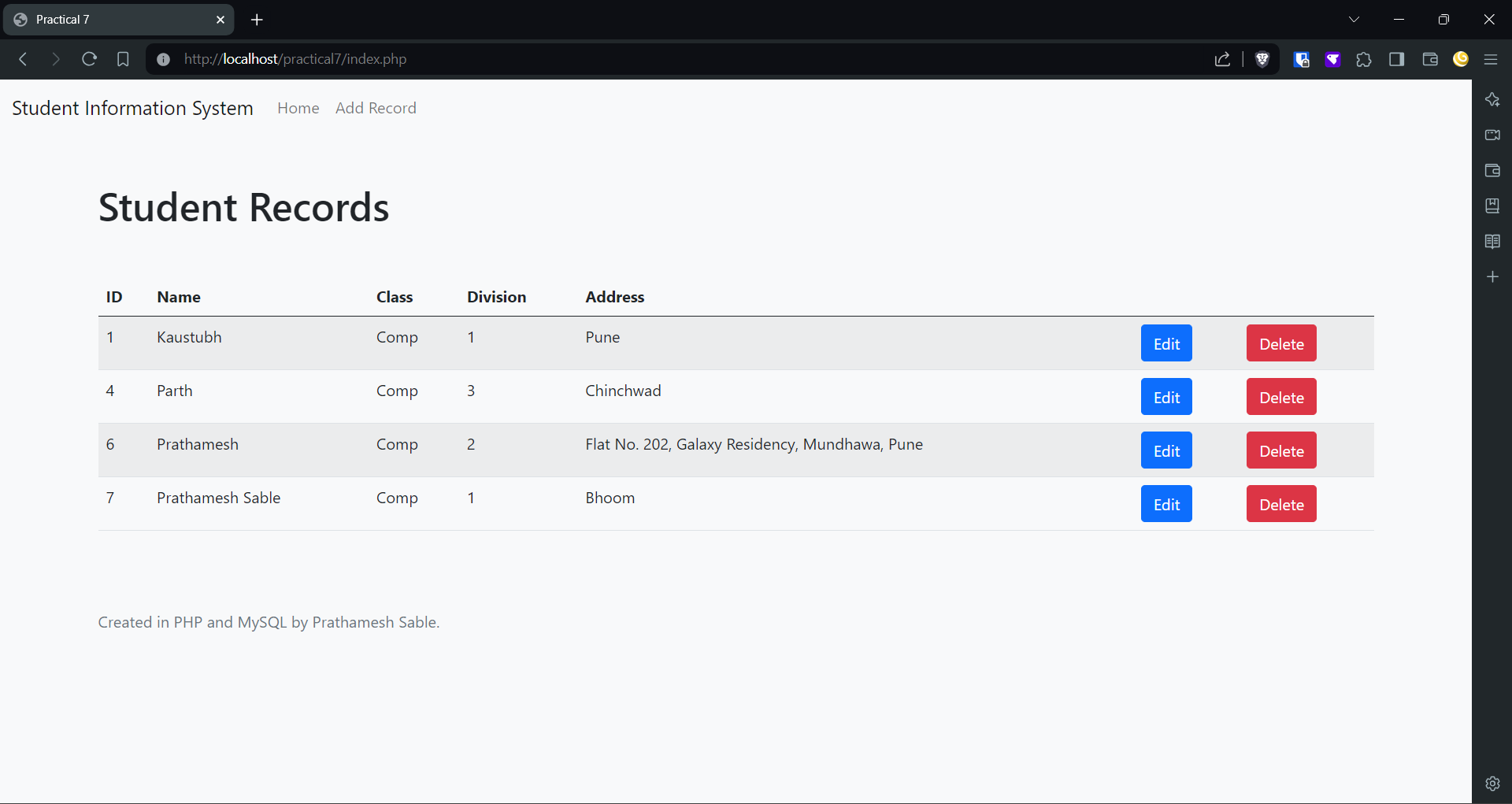
        header("location:index.php?s=Deleted+Record&type=success");

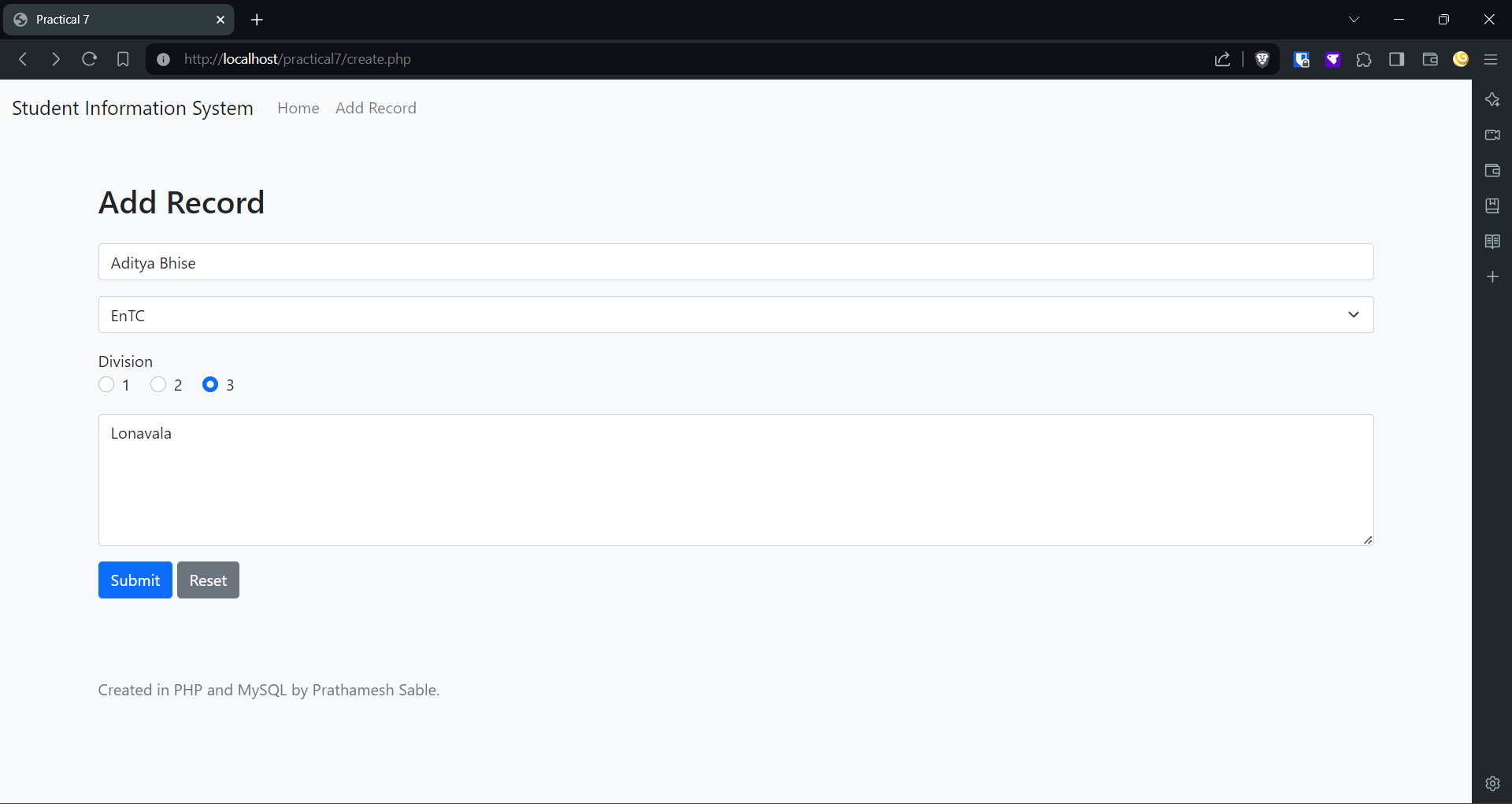
    }

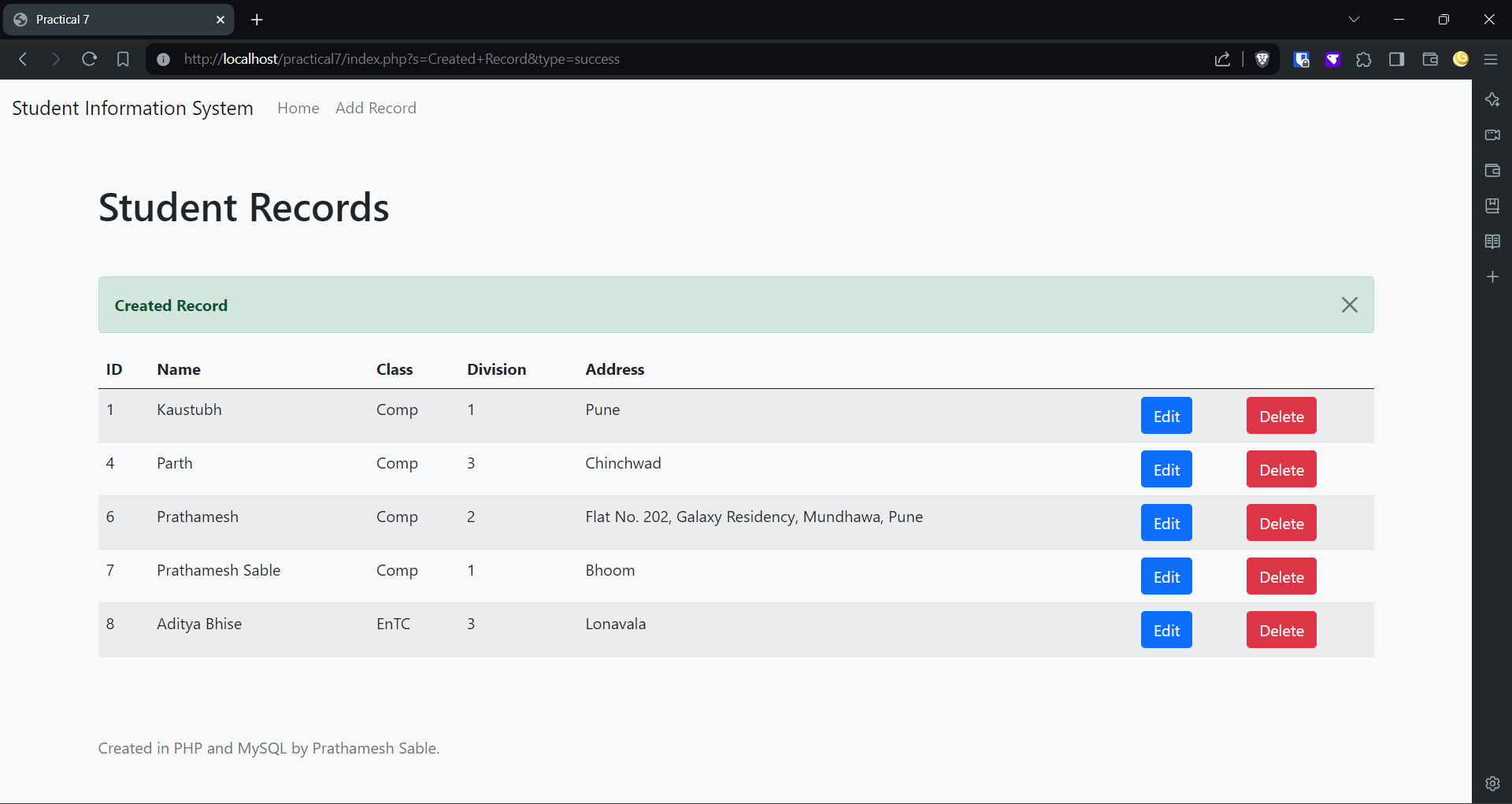
}

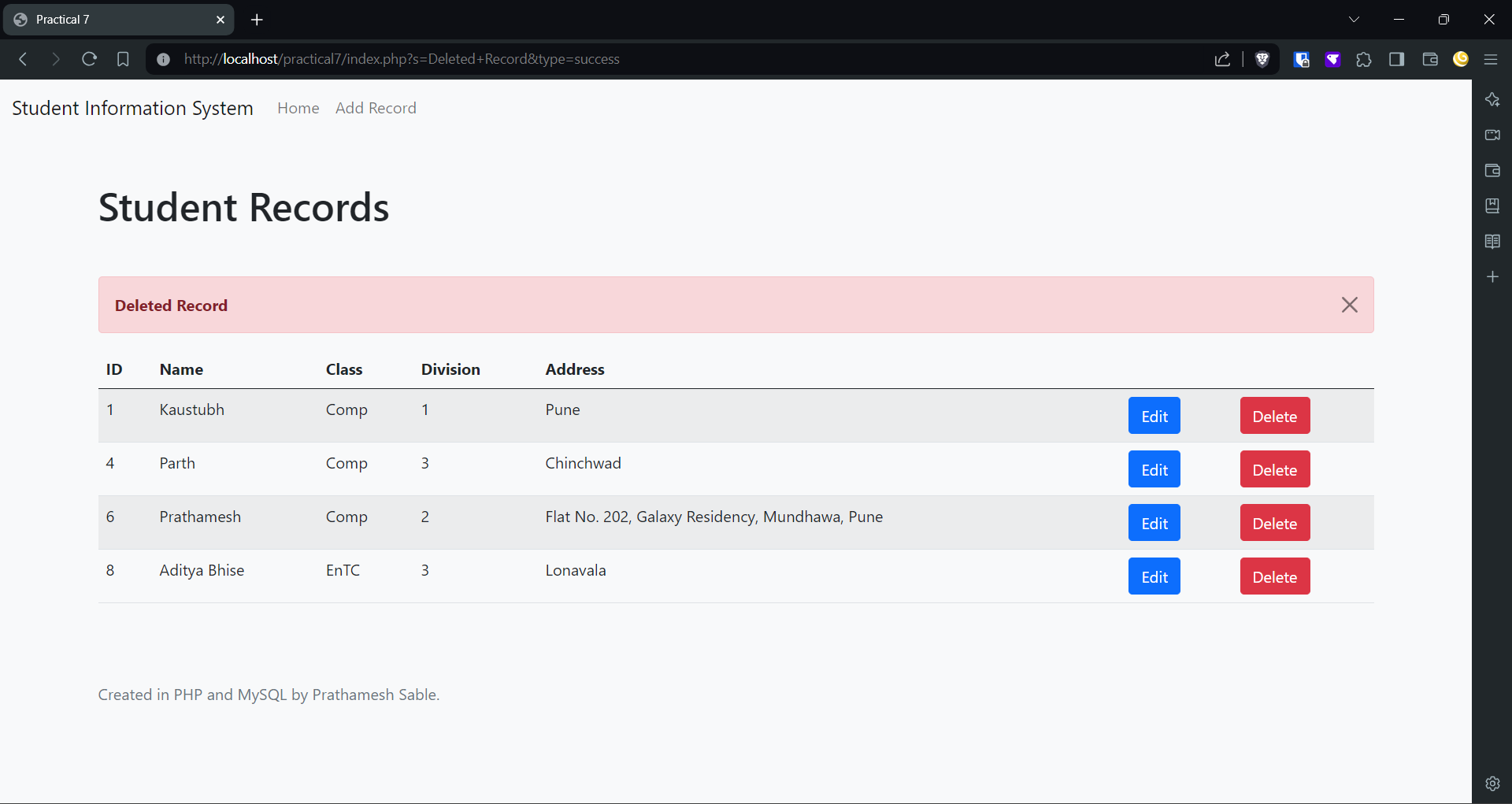
?>

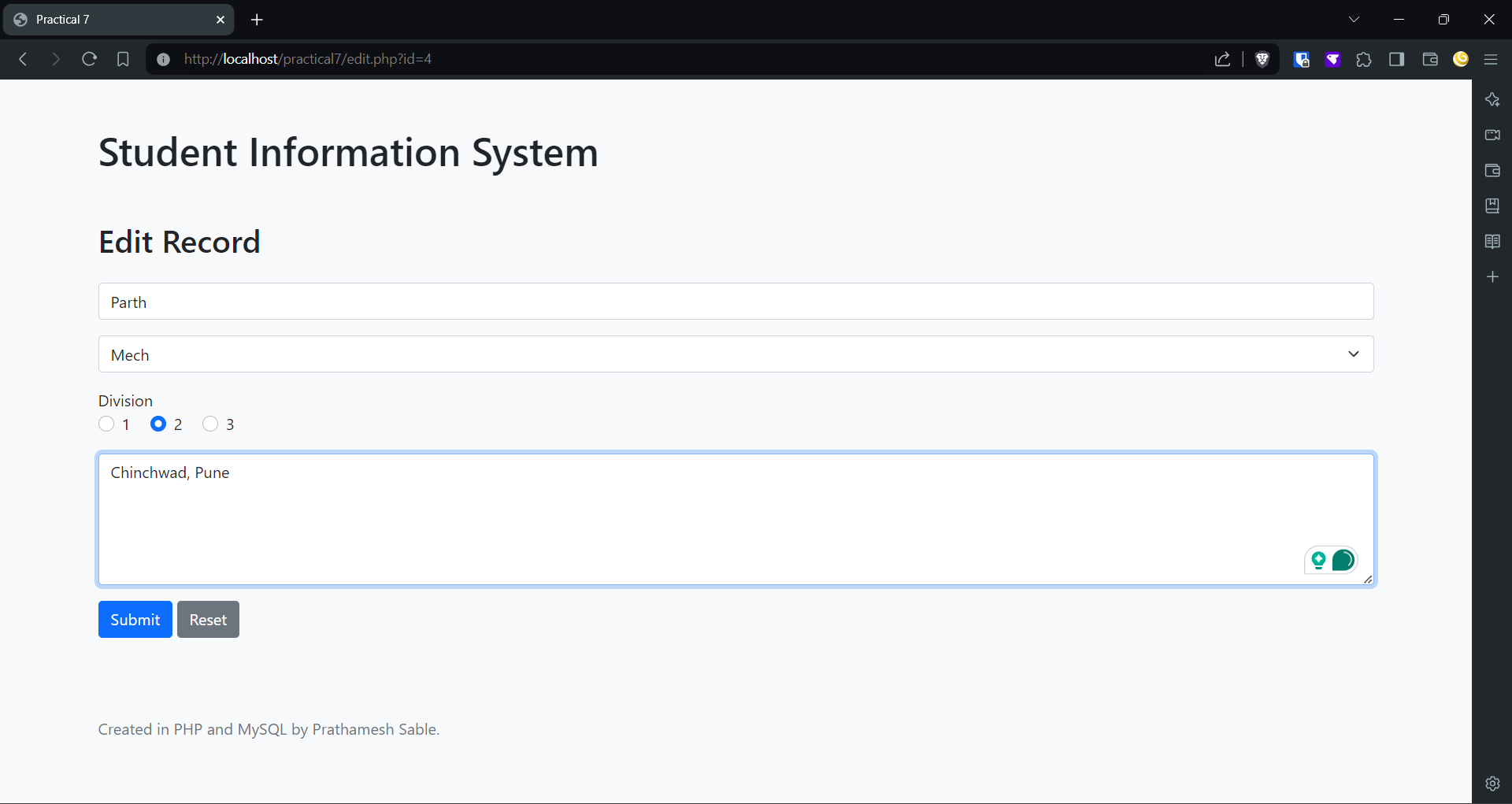
**OUTPUT:**

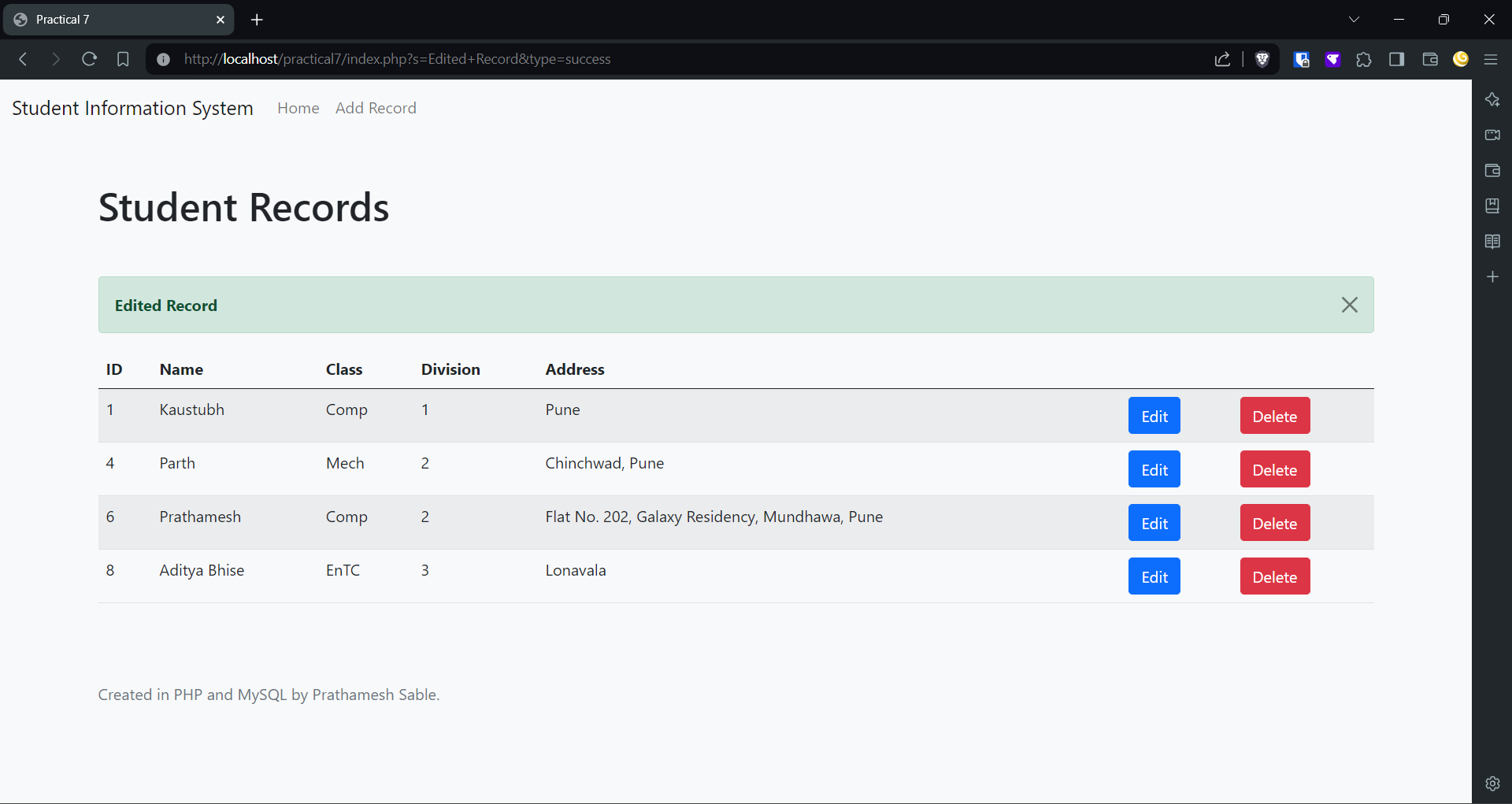
****

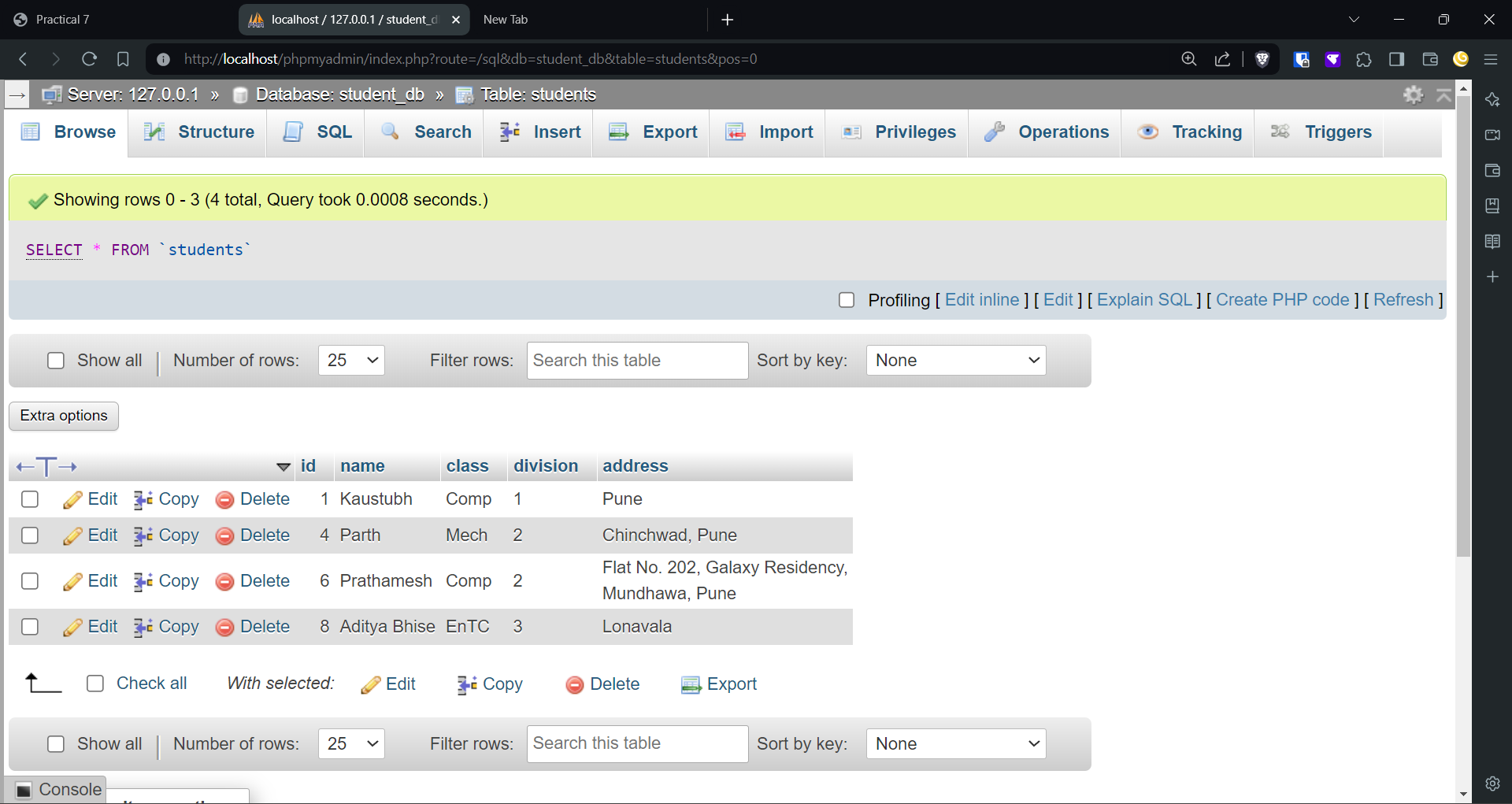
****

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