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## **Web Technology Practical 7**

**Title:** Build a dynamic web application using PHP and MySQL.

- Create database tables in MySQL and create connection with PHP.
- Create the add, update, delete and retrieve functions in the PHP web app interacting with MySQL database

**Let us create a database first:**

**Employee\_info.sql**

CREATE DATABASE IF NOT EXISTS company;

USE company;

CREATE TABLE IF NOT EXISTS employees (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100),

mobile VARCHAR(15),

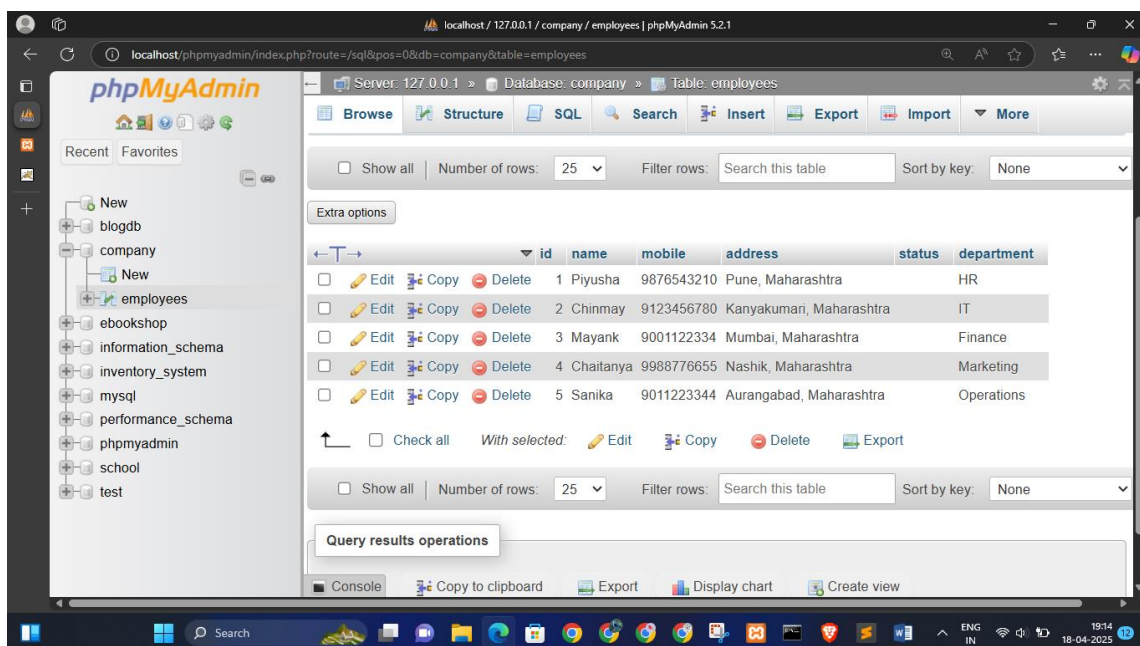
address TEXT,

status ENUM('Working', 'On Leave') DEFAULT 'Working',

department VARCHAR(100)

);

**The database structure will look like as follows:**



**The HTML, CSS and PHP code is combined in one file:**

**Employee\_system.php**

```
<?php

// Database connection

$conn = new mysqli("localhost", "root", "", "company");

if ($conn->connect_error) {

    die("Connection failed: " . $conn->connect_error);

}


// Insert or Update

if ($_SERVER['REQUEST_METHOD'] === 'POST') {

    $name = $_POST['name'];

    $mobile = $_POST['mobile'];

    $address = $_POST['address'];

    $status = $_POST['status'];

    $department = $_POST['department'];

    if (isset($_POST['update_id']) && !empty($_POST['update_id'])) {

        $id = intval($_POST['update_id']);

        $sql = "UPDATE employees SET name='$name', mobile='$mobile', address='$address', status='$status',
            department='$department' WHERE id=$id";

    } else {

        $sql = "INSERT INTO employees (name, mobile, address, status, department)

            VALUES ('$name', '$mobile', '$address', '$status', '$department')";

    }

    $conn->query($sql);

    header("Location: employee_system.php");

    exit();

}


// Delete

if (isset($_GET['delete'])) {
```

```

$id = $_GET['delete'];
$conn->query("DELETE FROM employees WHERE id=$id");
header("Location: employee_system.php");
exit();
}

// Fetch for update
$updateData = null;
if (isset($_GET['edit'])) {
    $id = $_GET['edit'];
    $result = $conn->query("SELECT * FROM employees WHERE id=$id");
    $updateData = $result->fetch_assoc();
}
?>

```

```

<!DOCTYPE html>
<html>
<head>
    <title>Prestine Purchases - Employee Data System</title>
    <style>
        body {

            background-color: #f4f6f9;
            margin: 0;
            padding: 0;
        }
        header {
            background-color:rgb(236, 175, 221);
            color: Black;
            padding: 20px;
            text-align: center;
            font-size: 28px;

```

```
    font-weight: bold;
}
.container {
    padding: 20px;
    max-width: 1000px;
    margin: auto;
}
form {
    background-color: white;
    padding: 20px;
    border-radius: 12px;
    box-shadow: 0 0 10px #ccc;
    margin-bottom: 30px;
}
input, select, textarea {
    width: 100%;
    padding: 8px;
    margin: 8px 0 20px 0;
    border: 1px solid #ccc;
    border-radius: 6px;
}
button {
    padding: 10px 20px;
    background-color:rgb(128, 0, 85);
    color: white;
    border: none;
    border-radius: 6px;
    cursor: pointer;
}
button:hover {
    background-color:rgb(172, 133, 187);
}
```

```
table {  
    width: 100%;  
    border-collapse: collapse;  
    background: white;  
    border-radius: 8px;  
    overflow: hidden;  
    box-shadow: 0 0 8px #ccc;  
}  
th, td {  
    padding: 12px;  
    border-bottom: 1px solid #eee;  
    text-align: left;  
}  
th {  
    background-color:rgb(236, 175, 221);  
    color: black;  
}  
.action-buttons a {  
    text-decoration: none;  
    color: white;  
    padding: 6px 12px;  
    border-radius: 4px;  
    margin-right: 6px;  
}  
.edit-btn {  
    background-color: #28a745;  
}  
.delete-btn {  
    background-color: #dc3545;  
}  
.add-btn {  
    display: inline-block;
```

```

margin-top: 20px;
text-decoration: none;
background-color:rgb(24, 58, 247);
color: white;
padding: 10px 16px;
border-radius: 6px;
}
</style>
</head>
<body>
<header>Prestine Purchases by Piyusha – Employee Data System</header>
<div class="container">
  <form method="POST" action="employee_system.php">
    <h3><?= $updateData ? 'Update Employee' : 'Add New Employee' ?></h3>
    <input type="hidden" name="update_id" value="<?= $updateData['id'] ?? " ?>">
    <label>Name</label>
    <input type="text" name="name" required value="<?= $updateData['name'] ?? " ?>">

    <label>Mobile</label>
    <input type="text" name="mobile" required value="<?= $updateData['mobile'] ?? " ?>">

    <label>Address</label>
    <textarea name="address" required><?= $updateData['address'] ?? " ?></textarea>

    <label>Status</label>
    <select name="status">
      <option value="Working" <?= (isset($updateData['status']) && $updateData['status'] == 'Working') ?
        'selected' : " ?>>Working</option>
      <option value="On Leave" <?= (isset($updateData['status']) && $updateData['status'] == 'On Leave')
        ? 'selected' : " ?>>On Leave</option>
    </select>

    <label>Department</label>

```

```
<input type="text" name="department" required value="<?= $updateData['department'] ?? " ?>">
```

```
<button type="submit"><?= $updateData ? 'Update Employee' : 'Add Employee' ?></button>
```

```
</form>
```

```
<h3>Employee List</h3>
```

```
<table>
```

```
<tr>
```

```
<th>Name</th>
```

```
<th>Mobile</th>
```

```
<th>Address</th>
```

```
<th>Status</th>
```

```
<th>Department</th>
```

```
<th>Actions</th>
```

```
</tr>
```

```
<?php
```

```
$result = $conn->query("SELECT * FROM employees ORDER BY id DESC");
```

```
while ($row = $result->fetch_assoc()):
```

```
?>
```

```
<tr>
```

```
<td><?= htmlspecialchars($row['name']) ?></td>
```

```
<td><?= htmlspecialchars($row['mobile']) ?></td>
```

```
<td><?= htmlspecialchars($row['address']) ?></td>
```

```
<td><?= htmlspecialchars($row['status']) ?></td>
```

```
<td><?= htmlspecialchars($row['department']) ?></td>
```

```
<td class="action-buttons">
```

```
<a href="?edit=<?= $row['id'] ?>" class="edit-btn">Edit</a>
```

```
<a href="?delete=<?= $row['id'] ?>" class="delete-btn" onclick="return confirm('Delete this employee?')">Delete</a>
```

```
</td>
```

```
</tr>
```

```
<?php endwhile; ?>
```

```
</table>
```

```

<a href="employee_system.php" class="add-btn">+ Add New Employee</a>
</div>
</body>
</html>

```

The output is as follows:

**Prestine Purchases by Piyusha – Employee Data System**

**Add New Employee**

Name

Mobile

Address

Status  
Working ▼

Department

[Add Employee](#)

**Employee List**

Name	Mobile	Address	Status	Department	Actions
Sanika	9011223344	Aurangabad, Maharashtra		Operations	<a href="#" style="color: green;">Edit</a> <a href="#" style="color: red;">Delete</a>
Chaitanya	9988776655	Nashik, Maharashtra		Marketing	<a href="#" style="color: green;">Edit</a> <a href="#" style="color: red;">Delete</a>
Mayank	9001122334	Mumbai, Maharashtra		Finance	<a href="#" style="color: green;">Edit</a> <a href="#" style="color: red;">Delete</a>
Chinmay	9123456780	Kanyakumari, Maharashtra		IT	<a href="#" style="color: green;">Edit</a> <a href="#" style="color: red;">Delete</a>
Piyusha	9876543210	Pune, Maharashtra		HR	<a href="#" style="color: green;">Edit</a> <a href="#" style="color: red;">Delete</a>

[+ Add New Employee](#)

Inserting new employee:

**Prestine Purchases by Piyusha – Employee Data System**

**Add New Employee**

Name

Mobile

Address

Status  
Working ▼

Department

[Add Employee](#)

**Employee List**



Employee List					
Name	Mobile	Address	Status	Department	Actions
Ashley	08779898989	California	Working	IT	<button>Edit</button> <button>Delete</button>
Sanika	9011223344	Aurangabad, Maharashtra		Operations	<button>Edit</button> <button>Delete</button>
Chaitanya	9988776655	Nashik, Maharashtra		Marketing	<button>Edit</button> <button>Delete</button>
Mayank	9001122334	Mumbai, Maharashtra		Finance	<button>Edit</button> <button>Delete</button>
Chinmay	9123456780	Kanyakumari, Maharashtra		IT	<button>Edit</button> <button>Delete</button>
Piyusha	9876543210	Pune, Maharashtra		HR	<button>Edit</button> <button>Delete</button>

Updating:

Prestine Purchases - Employee Data System

localhost/employee%20info/employee\_system.php?edit=6

Prestine Purchases by Piyusha – Employee Data System

Update Employee

Name

Ashley

Mobile

08779898989

Address

New Zealand

Status

Working

Department

IT

Update Employee

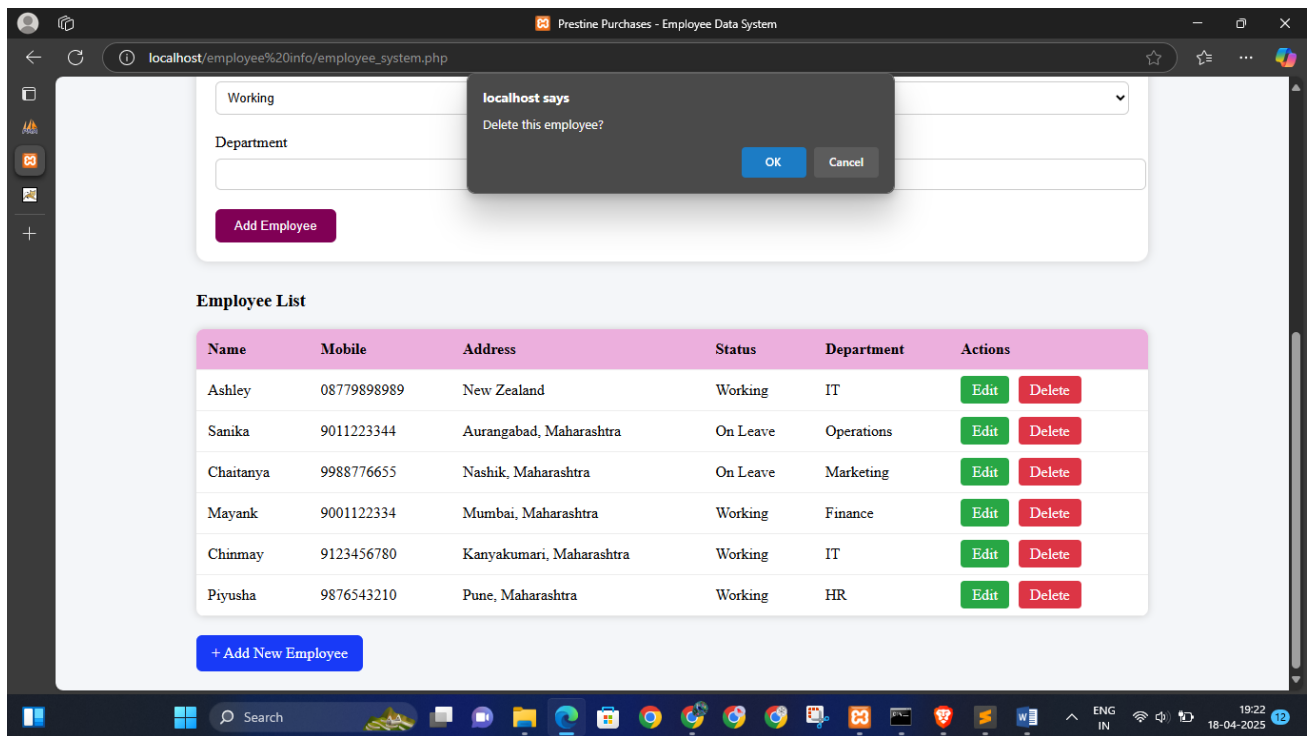
Information is updated:

#### Employee List

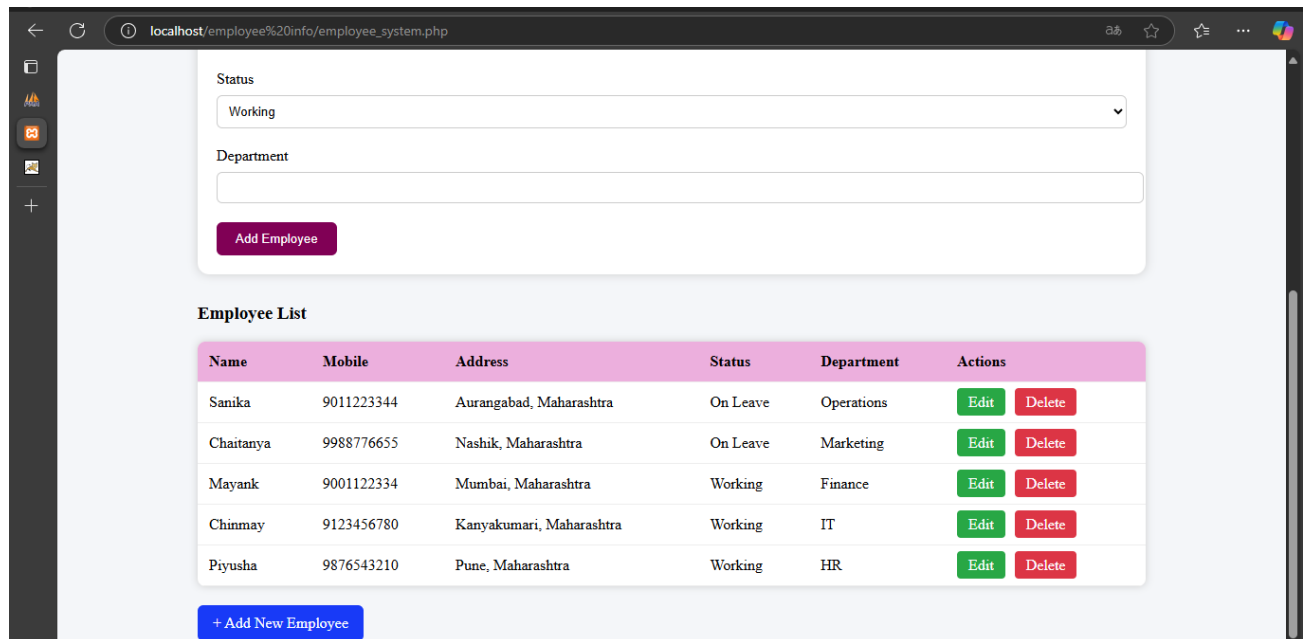
Name	Mobile	Address	Status	Department	Actions
Ashley	08779898989	New Zealand	Working	IT	<button>Edit</button> <button>Delete</button>
Sanika	9011223344	Aurangabad, Maharashtra	On Leave	Operations	<button>Edit</button> <button>Delete</button>
Chaitanya	9988776655	Nashik, Maharashtra	On Leave	Marketing	<button>Edit</button> <button>Delete</button>
Mayank	9001122334	Mumbai, Maharashtra	Working	Finance	<button>Edit</button> <button>Delete</button>
Chinmay	9123456780	Kanyakumari, Maharashtra	Working	IT	<button>Edit</button> <button>Delete</button>
Piyusha	9876543210	Pune, Maharashtra	Working	HR	<button>Edit</button> <button>Delete</button>

+ Add New Employee

### Deletion:



### The entry is deleted:



**Conclusion:** Thus I have successfully completed and created an application using PHP which adds, updates, deletes the information through a PHP interface using mysql database.