

Practical- 10
PHP-Mysql Database

Practical – 10 PHP-Mysql Database

1. Do the following example.

- a. From the phpMyAdmin dashboard create database Person and create a table personinfo having field name, age and city. Create a PHP application for user registration by making a HTML registration page which takes the person name, age, city. When the user clicks on the insert button it inserts the record into the table person. When the user clicks on the display button it will display all records in appropriate html format. Use MySQLi Procedural methods for the same.
- b. Consider the above example for Person, extend it by adding the functionality of update. Create a page for the user where all records are displayed in the table along with the Update button as the last column. When the user presses the update button the respective record is opened in a new page for updating where the user can update the value of city and age. When the user clicks on save. The records should get updated and the updated list or records should be displayed back along with the update button. Use MySQLi Class for the implementation.
- c. Consider the above example for Person, add the functionality of delete. Create a page for the user where all records are displayed in the table along with the Delete button as the last column. When the user presses the delete button the respective record gets deleted from the table and displays an appropriate message to the user along with the updated list or records should be displayed back along with the delete button. Use PDO for the implementation.

Code:

conn.php

```
<?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "person";
?>
```

home.php

```
<?php

    include 'conn.php';

    $conn = mysqli_connect($servername, $username,
        $password, $dbname);

    if(isset($_GET["submit"])) {
```

Practical – 10 PHP-Mysql Database

```
        echo "after ";
        $insert_sql = "INSERT INTO personinfo(name, age,city)
VALUES ('$_GET[pname]',$_GET[page],'$_GET[pcity]')";
        $qry = $conn->query($insert_sql);
        if($qry == true)
        {
            echo "Data inserted successfully.";
        }
        else
        {
            echo "Data has not been inserted!<BR>";
            echo "Reason: ", $conn->error;
        }
        // $conn->close();
    }

    if($_GET['isDeleted'] == "True"){
        echo "<h1>Record deleted<h1>";
    }
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
    initial-scale=1.0">
    <title>Home page</title>
</head>
<body>
    <h1> Home page </h1>
    <form action="home.php" method="GET" >
        <h3>
            Enter Name :<input type="text" name = "pname">
        <br>
            Enter Age :<input type="number" name =
            "page"><br>
            Enter City :<input type="text" name =
            "pcity"><br>
            <input type="submit" name="submit">
        </h3>
    </form>
```

Practical – 10 PHP-Mysql Database

```
<?php include 'display.php'; ?>
</body>
</html>
```

display.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
        initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <?php

    $query = "SELECT * from personinfo";

    if ($result=mysqli_query($conn,$query))
    {

    ?>
    <table border="1">
    <tr>
        <th>ID</th>
        <th>Name</th>
        <th>age</th>
        <th>city</th>
        <th>Opration</th>
    </tr>
    <?php
    while ($row=mysqli_fetch_row($result))
    {
        ?>
        <tr>
            <td><?php echo $row[0] ?></td>
            <td><?php echo $row[1] ?></td>
            <td><?php echo $row[2] ?></td>
            <td><?php echo $row[3] ?></td>
            <td><a href="update.php?id=<?php echo $row[0]
    ?>">Update </a>
                <a href="delete.php?id=<?php echo $row[0]
    ?>">Delete </a></td>
```

Practical – 10 PHP-Mysql Database

```
        </tr>
    <?php
    }

    mysqli_free_result($result);
    }
    mysqli_close($conn);
    ?>
</table>
</body>
</html>
```

delete.php

```
<?php
    include "conn.php";

    $conn = new PDO("mysql:host=$servername;dbname=$dbname",
        $username, $password);

    $conn->setAttribute(PDO::ATTR_ERRMODE,
        PDO::ERRMODE_EXCEPTION);

    $sql = "DELETE FROM personinfo WHERE pid=$_GET[id]";

    $conn->exec($sql);

    header("Location: home.php?isDeleted=True");
    ?>
```

update.php

```
<?php
    include 'conn.php';

    $conn = new mysqli($servername,$username,
        $password,$dbname);
    $recode = array("null","", "null", "null");
    if(isset($_GET["submit"])){
        echo 'aft submitted';
        $sql = "UPDATE personinfo SET age=$_GET[uage] AND
            city='$_GET[ucity]' WHERE pid=$_GET[id]";

        $result = $conn->query($sql);
```

Practical – 10 PHP-Mysql Database

```
        if($result)
        {
            echo "Data updated successfully.";
        }
        else
        {
            echo "Error occurred while updating the
record!<BR>";
            echo "Reason: ", $conn->error;
        }
    }else{
        $f_query = "SELECT * FROM personinfo WHERE pid =
$_GET[id]";
        $res = $conn->query($f_query);
        $recode = $res->fetch_row();
    }

    //$conn->close();

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Update</title>

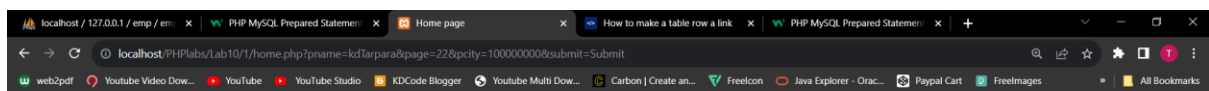
</head>
<body>
<h1> Update page </h1>
    <form action="update.php" method="GET" >
    <h3>
    <input type="hidden" name = "id" value="<?php echo
$recode[0]; ?>" >
    Enter Name :<input type="text" name = "uname"
value="<?php echo $recode[1]; ?>" readonly > <br>
    Enter Age :<input type="number" name = "uage"
value="<?php echo $recode[2]; ?>" ><br>
    Enter City :<input type="text" name = "ucity"
value="<?php echo $recode[3]; ?>" ><br>
    <input type="submit" name="submit" >
    <br><a href="home.php">Home</a>
```

Practical – 10 PHP-Mysql Database

```
</h3>
</form>

<?php
include 'display.php';
?>
</body>
</html>
```

Output:



Data inserted successfully.

Home page

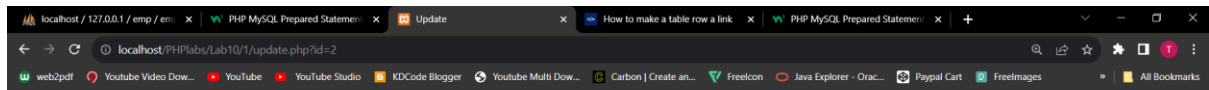
Enter Name :

Enter Age :

Enter City :

| ID | Name | age | city | Opration |
|----|-----------|-----|-----------|---|
| 2 | kauhsal | 1 | 122 | Update Delete |
| 6 | anuj | 23 | 22222 | Update Delete |
| 9 | kdTarpara | 22 | 100000000 | Update Delete |

Practical – 10 PHP-Mysql Database



Update page

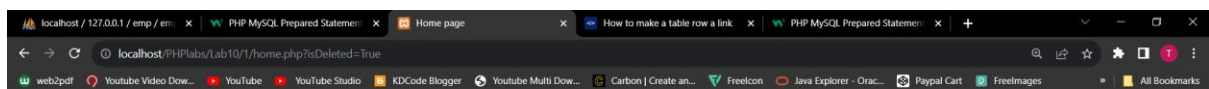
Enter Name :

Enter Age :

Enter City :

[Home](#)

| ID | Name | age | city | Opration |
|----|-----------|-----|-----------|---|
| 2 | kauhsal | 1 | 122 | Update Delete |
| 6 | anuj | 23 | 22222 | Update Delete |
| 9 | kdTarpara | 22 | 100000000 | Update Delete |



Recored deleted

Home page

Enter Name :

Enter Age :

Enter City :

| ID | Name | age | city | Opration |
|----|-----------|-----|-----------|---|
| 2 | kauhsal | 0 | 122 | Update Delete |
| 9 | kdTarpara | 22 | 100000000 | Update Delete |

localhost/PHPPlabs/Lab10/1/delete.php?id=9

Practical – 10 PHP-Mysql Database

2. Create an Employee records maintaining application in PHP. Application will maintain personal and salary data of the employee. The application will have the following functionalities.

- a. Add an employee
- b. Edit salary details of the employee
- c. Delete an employee.
- d. Display single employee details in a decorated HTML page.
- e. Display all employees in a decorated HTML page.

Make use of prepared statements for this example. You can either select MySQLi Class or PDO for the same code:

Code:

conn.php

```
<?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "emp";

    $conn = new mysqli($servername,$username,
        $password,$dbname);
?>
```

delete.php

```
<?php
    include "conn.php";

    $sql = "DELETE FROM empinfo WHERE eid=$_GET[id]";

    $conn->query($sql);

    header("Location: home.php?isDeleted=True");
?>
```

display.php

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
```

Practical – 10 PHP-Mysql Database

```
<meta name="viewport" content="width=device-width,
  initial-scale=1.0">
<title>Document</title>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f7f7f7;
    margin: 0;
    padding: 0;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    height: 100vh;
  }

  table {
    width: 80%;
    border-collapse: collapse;
    margin-top: 20px;
  }

  th, td {
    padding: 15px;
    text-align: left;
    border-bottom: 1px solid #ddd;
  }

  th {
    background-color: #f2f2f2;
  }

  tr:nth-child(even) {
    background-color: #f2f2f2;
  }

  tr:hover {
    background-color: #ddd;
  }

  a {
    text-decoration: none;
    color: #007bff;
```

Practical – 10 PHP-Mysql Database

```
        margin-right: 10px;
    }
</style>
</head>

<body>
    <?php
    $query = "SELECT * FROM empinfo";

    if ($result = mysqli_query($conn, $query)) {
    ?>
        <table>
            <tr>
                <th>ID</th>
                <th>Name</th>
                <th>Age</th>
                <th>Salary</th>
                <th>Operation</th>
            </tr>
            <?php
            while ($row = mysqli_fetch_row($result)) {
            ?>

                <a href="form.css">

                <tr>
                    <td><?php echo $row[0] ?></td>
                    <td><?php echo $row[1] ?></td>
                    <td><?php echo $row[2] ?></td>
                    <td><?php echo $row[3] ?></td>
                    <td>
                        <a href="update.php?id=<?php echo
$row[0] ?>">Update </a>
                        <a href="delete.php?id=<?php echo
$row[0] ?>">Delete </a>
                        <a href="s_emp.php?id=<?php echo
$row[0] ?>">Show Details </a>
                    </td>
                </tr>
            </a>
            <?php
            }
```

Practical – 10 PHP-Mysql Database

```
        mysqli_free_result($result);
    }
    mysqli_close($conn);
?>
</table>
</body>
</html>
```

home.php

```
<?php

include 'conn.php';

if(isset($_GET["submit"])) {

    $stmt = $conn->prepare("INSERT INTO empinfo (name,
age, sal) VALUES (?, ?, ?)");
    $stmt->bind_param("sss",
$_GET['ename'], $_GET['eage'], $_GET['esal']);
    $stmt->execute();

    if($stmt == true)
    {
        echo "Data inserted successfully.";
    }
    else
    {
        echo "Data has not been inserted!<BR>";
        echo "Reason: ", $conn->error;
    }
    // $conn->close();
}

if(isset($_GET['isDeleted'])) {
    echo "<h1>Record deleted<h1>";
}

?>

<!DOCTYPE html>
```

Practical – 10 PHP-Mysql Database

```
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
        initial-scale=1.0">
    <title>Home page</title>

    <link rel="stylesheet" href="form.css">
</head>
<body>

    <h1> Home page </h1>
    <form action="home.php" method="GET" >
        <h3>
            Enter Name :<input type="text" name = "ename">
        <br>
            Enter Age :<input type="number" name =
            "eage"><br>
            Enter Salary :<input type="text" name =
            "esal"><br>
            <input type="submit" name="submit">
        </h3>
    </form>

    <?php include 'display.php';    ?>
</body>
</html>
```

s_emp.php

```
<?php
include 'conn.php';

if(isset($_GET['id'])) {
    $employeeId = $_GET['id'];

    $query = "SELECT * FROM empinfo WHERE eid = $employeeId";
    $result = mysqli_query($conn, $query);

    if(mysqli_num_rows($result) > 0) {
        $employee = mysqli_fetch_assoc($result);
```

Practical – 10 PHP-Mysql Database

```
    } else {

        echo "Employee not found!";
        exit();
    }
} else {

    echo "Invalid request!";
    exit();
}
?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
        initial-scale=1.0">
    <title>Employee Details</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f7f7f7;
            margin: 0;
            padding: 0;
            display: flex;
            flex-direction: column;
            align-items: center;
            justify-content: center;
            height: 100vh;
        }

        .container {
            background-color: #fff;
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
            text-align: left;
        }

        .details {
            margin-bottom: 20px;
```

Practical – 10 PHP-Mysql Database

```
    }

    .details strong {
        margin-right: 10px;
    }

    .back-button {
        margin-top: 20px;
    }
</style>
</head>

<body>
    <div class="container">
        <h1>Employee Details</h1>
        <div class="details">
            <p><strong>ID:</strong> <?php echo
$employee['eid']; ?></p>
            <p><strong>Name:</strong> <?php echo
$employee['name']; ?></p>
            <p><strong>Age:</strong> <?php echo
$employee['age']; ?></p>
            <p><strong>Salary:</strong> <?php echo
$employee['sal']; ?></p>
        </div>
        <a href="home.php" class="back-button">Back to
Home</a>
    </div>
</body>

</html>
```

update.php

```
<?php
include 'conn.php';
$recode = array("null","", "null", "null");

if(isset($_GET["submit"])){

    $sql = "UPDATE empinfo SET sal=$_GET[usal] WHERE
eid=$_GET[id]";
```

Practical – 10 PHP-Mysql Database

```

        $result = $conn->query($sql);
        if($result)
        {
            echo "<h2>Data updated successfully.";
        }
        else
        {
            echo "Error occurred while updating the
record!<BR>";
            echo "Reason: ", $conn->error;
        }
    }else{
        $f_query = "SELECT * FROM empinfo WHERE eid =
$_GET[id]";
        $res = $conn->query($f_query);
        $rcode = $res->fetch_row();
    }

    //$conn->close();

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Update</title>
    <link rel="stylesheet" href="form.css">
</head>
<body>
<h1> Update </h1>
    <form action="update.php" method="GET" >
    <h3>
    <input type="hidden" name = "id" value="<?php echo
$rcode[0]; ?>" >
    Enter Name :<input type="text" name = "uname"
value="<?php echo $rcode[1]; ?>" readonly > <br>
    Enter Age :<input type="number" name = "uage"
value="<?php echo $rcode[2]; ?>" readonly ><br>
    Enter City :<input type="number" name = "usa1"
value="<?php echo $rcode[3]; ?>" ><br>

```


Practical – 10 PHP-Mysql Database

```
<input type="submit" name="submit" >
<br><a href="home.php">Home</a>
</h3>
</form>

<?php
include 'display.php';
?>
</body>
</html>
```

Form.css

```
body {
    font-family: Arial, sans-serif;
    background-color: #f7f7f7;
    margin: 0;
    padding: 0;
    display: grid;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    height: 100vh;
}

h1 {
    color: #333;
}

form {
    background-color: #fff;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    margin-top: 20px;
    text-align: left;
}

input[type="text"],
input[type="number"] {
    width: 100%;
    padding: 10px;
    margin: 8px 0;
}
```

Practical – 10 PHP-Mysql Database

```
        box-sizing: border-box;
        border: 1px solid #ccc;
        border-radius: 4px;
    }

    input[type="submit"] {
        width: 100%;
        background-color: #4caf50;
        color: white;
        padding: 14px 20px;
        margin: 8px 0;
        border: none;
        border-radius: 4px;
        cursor: pointer;
    }

    input[type="submit"]:hover {
        background-color: #45a049;
    }
```

Output:

| ID | Name | Age | Salary | Operation |
|----|---------|-----|--------|--|
| 1 | kaushal | 23 | 11121 | Update Delete Show Details |
| 16 | kaushal | 23 | 12222 | Update Delete Show Details |
| 18 | kripal | 23 | 3333 | Update Delete Show Details |

Practical – 10 PHP-Mysql Database

