

WEB TECHNOLOGY LABORATORY

ASSIGNMENT 7

Build a dynamic web application using PHP and MySQL.

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

CODE

add.html

```
<html>
<head>
  <title>Add Data</title>
</head>

<body>
  <a href="index.php">Home</a>
  <br/><br/>

  <form action="add.php" method="post" name="form1">
    <table width="25%" border="0">
      <tr>
        <td>Name</td>
        <td><input type="text" name="name"></td>
      </tr>
      <tr>
        <td>Age</td>
        <td><input type="text" name="age"></td>
      </tr>
      <tr>
        <td>Email</td>
        <td><input type="text" name="email"></td>
      </tr>
      <tr>
        <td></td>
        <td><input type="submit" name="Submit" value="Add"></td>
      </tr>
    </table>
  </form>
</body>
</html>
```

index.php

```
<?php
//including the database connection file
include_once("config.php");
//fetching data in descending order (lastest entry first)
// mysqli_query() function performs a query against a database.
```

```

// For successful SELECT, SHOW, DESCRIBE, or EXPLAIN queries it will return a mysqli_result
object.
// For other successful queries it will return TRUE. FALSE on failure
$result = mysqli_query($mysqli, "SELECT * FROM users ORDER BY id DESC"); // using
mysqli_query instead

?>

<html>
<head>
    <title>Homepage</title>
</head>

<body>
    <a href="add.html">Add New Data</a><br/><br/>

    <table width='80%' border=1>
        <tr bgcolor='#CCCCCC'>
            <td>Name</td>
            <td>Age</td>
            <td>Email</td>
            <td>Update</td>
        </tr>

        <?php
        while($res = mysqli_fetch_array($result))
        {
            echo "<tr>";
            echo "<td>".$res['name']. "</td>";
            echo "<td>".$res['age']. "</td>";
            echo "<td>".$res['email']. "</td>";
            echo "<td> <a href=\"edit.php?id=$res[id]\"> Edit </a> | <a
href=\"delete.php?id=$res[id]\" onClick=\"return confirm('Are you sure you want to
delete?')\"> Delete </a></td>";
        }
        ?>
    </table>
</body>
</html>

```

add.php

```

<!--add.php-->
<html>
<head>
    <title>Add Data</title>
</head>

<body>
<?php
//including the database connection file
include_once("config.php");

if(isset($_POST['Submit'])) {

```

```

$name = $_POST['name'];
$age = $_POST['age'];
$email = $_POST['email'];

// checking empty fields
if(empty($name) || empty($age) || empty($email)) {
    if(empty($name)) {
        echo "<font color='red'>Name field is empty.</font><br/>";
    }

    if(empty($age)) {
        echo "<font color='red'>Age field is empty.</font><br/>";
    }

    if(empty($email)) {
        echo "<font color='red'>Email field is empty.</font><br/>";
    }

    //link to the previous page
    echo "<br/><a href='javascript:self.history.back();'>Go Back</a>";

} else {
    // if all the fields are filled (not empty)
    //insert data to database
    $result = mysqli_query($mysqli, "INSERT INTO users(name,age,email)
VALUES('$name','$age','$email')");

    //display success message
    echo "<font color='green'>Data added successfully.";
    echo "<br/><a href='index.php'>View Result</a>";
}
}
?>
</body>
</html>

```

config.php

```

<?php

/*
CREATE TABLE `users` (
  `id` int(11) NOT NULL auto_increment,
  `name` varchar(100) NOT NULL,
  `age` int(3) NOT NULL,
  `email` varchar(100) NOT NULL,
  PRIMARY KEY (`id`)
);
*/

$databaseHost = 'localhost';
$databaseName = 'asg7db';
$databaseUsername = 'root';
$databasePassword = 'Sudarshan';

```

```

/*
mysqli_connect() function opens a new connection to the MySQL server.
syntax : mysqli_connect(host, username, password, dbname, port, socket)
Details :
host - Optional. Specifies a host name or an IP address
username - Optional. Specifies the MySQL username
password - Optional. Specifies the MySQL password
dbname - Optional. Specifies the default database to be used
port - Optional. Specifies the port number to attempt to connect to the MySQL server
socket - Optional. Specifies the socket or named pipe to be used
*/

$mysqli = mysqli_connect($databaseHost, $databaseUsername, $databasePassword,
$databaseName);
// $mysqli is global connection object for current request
?>

```

edit.php

```

<?php
// including the database connection file
include_once("config.php");

if(isset($_POST['update']))
{
    $id = $_POST['id'];

    $name=$_POST['name'];
    $age=$_POST['age'];
    $email=$_POST['email'];

    // checking empty fields
    if(empty($name) || empty($age) || empty($email)) {
        if(empty($name)) {
            echo "<font color='red'>Name field is empty.</font><br/>";
        }

        if(empty($age)) {
            echo "<font color='red'>Age field is empty.</font><br/>";
        }

        if(empty($email)) {
            echo "<font color='red'>Email field is empty.</font><br/>";
        }
    } else {
        //updating the table
        $result = mysqli_query($mysqli, "UPDATE users SET
name='$name',age='$age',email='$email' WHERE id=$id");

        //redirectig to the display page. In our case, it is index.php
        header("Location: index.php");
    }
}
}

```

```

?>

<?php
//getting id from url
$id = $_GET['id'];

//selecting data associated with this particular id
$result = mysqli_query($mysqli, "SELECT * FROM users WHERE id=$id");

while($res = mysqli_fetch_array($result))
{
    $name = $res['name'];
    $age = $res['age'];
    $email = $res['email'];
}
?>

<html>
<head>
    <title>Edit Data</title>
</head>

<body>
    <a href="index.php">Home</a>
    <br/><br/>

    <form name="form1" method="post" action="edit.php">
        <table border="0">
            <tr>
                <td>Name</td>
                <td><input type="text" name="name" value="<?php echo $name;?>"></td>
            </tr>
            <tr>
                <td>Age</td>
                <td><input type="text" name="age" value="<?php echo $age;?>"></td>
            </tr>
            <tr>
                <td>Email</td>
                <td><input type="text" name="email" value="<?php echo $email;?>"></td>
            </tr>
            <tr>
                <td><input type="hidden" name="id" value="<?php echo $_GET['id'];?>"></td>
                <td><input type="submit" name="update" value="Update"></td>
            </tr>
        </table>
    </form>
</body>
</html>

```

Delete.php

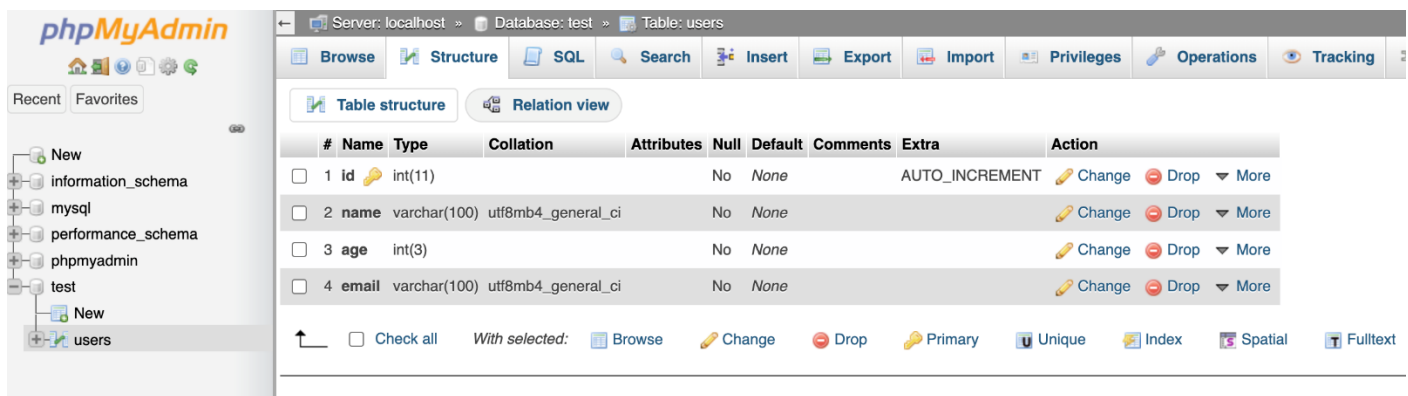
```
<?php
//including the database connection file
include("config.php");

//getting id of the data from url
$id = $_GET['id'];

//deleting the row from table
$result = mysqli_query($mysqli, "DELETE FROM users WHERE id=$id");

//redirecting to the display page (index.php in our case)
header("Location:index.php");
?>
```

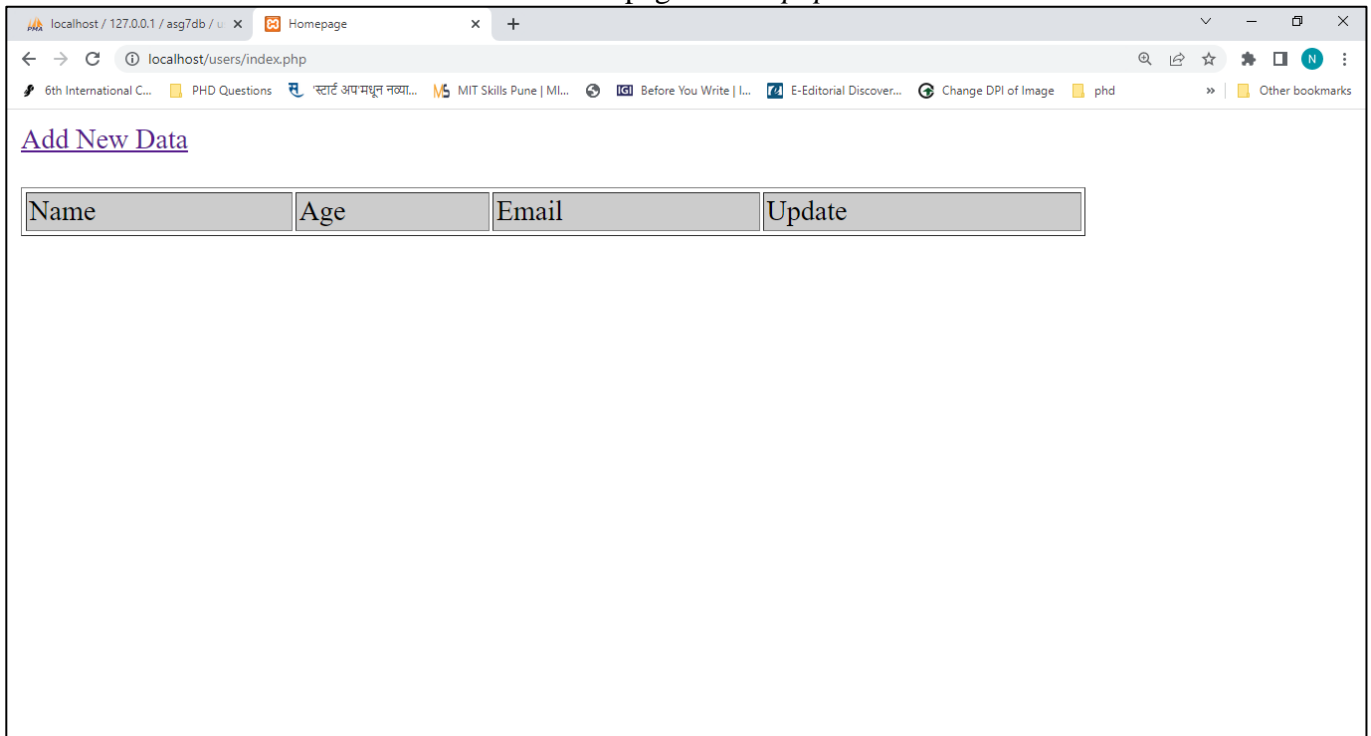
OUTPUT / SCREENSHOTS



The screenshot shows the phpMyAdmin interface. On the left, the database structure is visible, with 'test' selected and 'users' highlighted. The main panel shows the 'Table structure' for the 'users' table. The table has four columns: 'id' (int(11), primary key, AUTO_INCREMENT), 'name' (varchar(100)), 'age' (int(3)), and 'email' (varchar(100)). Below the table structure, there are options to 'Check all', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', and 'Fulltext'.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	name	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
3	age	int(3)			No	None			Change Drop More
4	email	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

Home page- Index.php



The screenshot shows a web browser displaying the 'Index.php' homepage. The page has a title 'Add New Data' and a form with four input fields: 'Name', 'Age', 'Email', and 'Update'. The 'Update' field is a button. The browser's address bar shows 'localhost/users/index.php'.

Action- click “add new data” shows *add.html* file

localhost / 127.0.0.1 / asg7db / u x Add Data x +

localhost/users/add.html

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[Home](#)

Name

Age

Email

Action- click “add” button above – shows *add.php* file

localhost / 127.0.0.1 / asg7db / u x Add Data x +

localhost/users/add.php

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Data added successfully.

[View Result](#)

Action- click view result – shows home page

localhost / 127.0.0.1 / asg7db / u x Homepage x +

localhost/users/index.php

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Add New Data

Name	Age	Email	Update
nalini	50	nalini@gmail.com	Edit Delete

Action- Add new data with few more such records and view.

localhost / 127.0.0.1 / asg7db / u x Homepage x +

localhost/users/index.php

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Add New Data

Name	Age	Email	Update
prayaag	22	pra@gmail.com	Edit Delete
lina	23	lina@yahoo.com	Edit Delete
nalini	50	nalini@gmail.com	Edit Delete

Click “Edit” on any existing record- shows *edit.php* file

localhost / 127.0.0.1 / asg7db / u x Edit Data x +

localhost/users/edit.php?id=4

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[Home](#)

Name

Age

Email

Action- do required changes and click “update”- shows homepage again.

localhost / 127.0.0.1 / asg7db / u x Homepage x New Tab x +

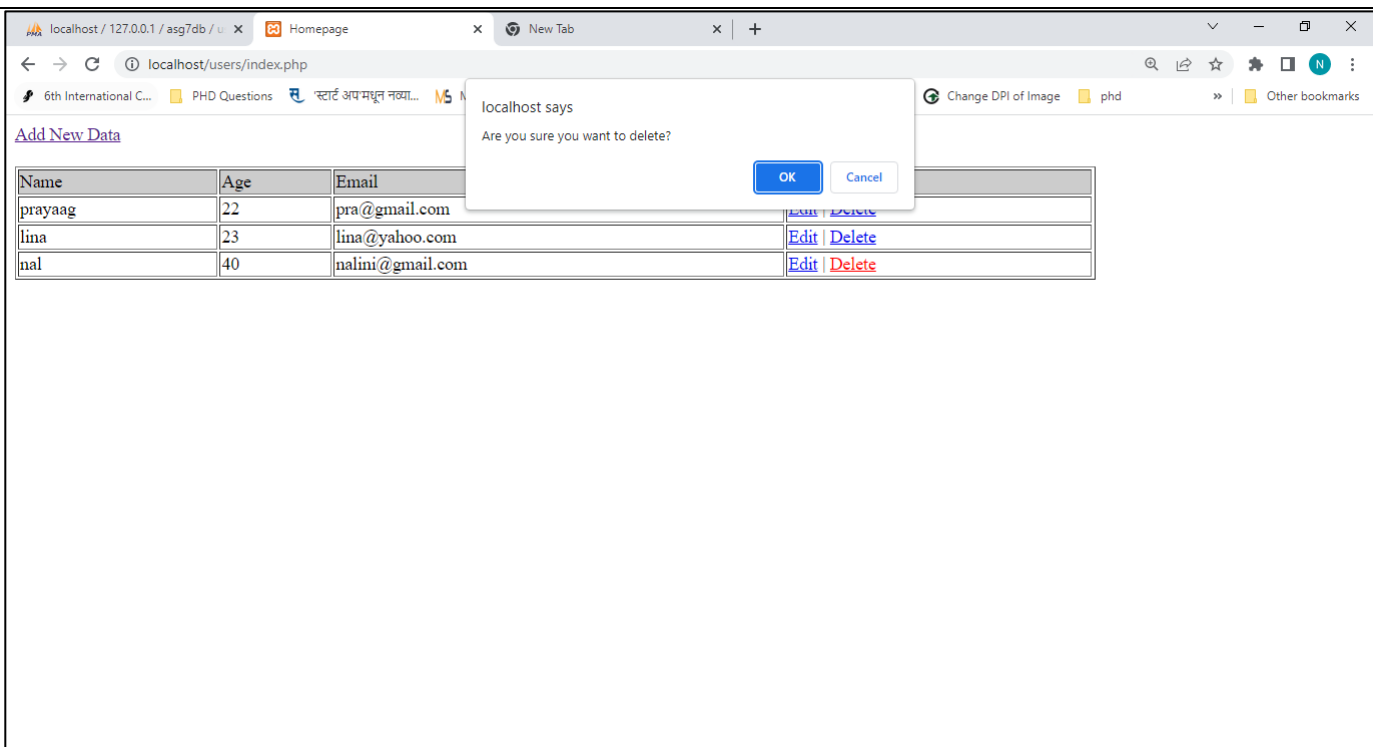
localhost/users/index.php

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[Add New Data](#)

Name	Age	Email	Update
prayaag	22	pra@gmail.com	Edit Delete
lina	23	lina@yahoo.com	Edit Delete
nal	40	nalini@gmail.com	Edit Delete

Action- delete (e.g. here record with name = “nal”) calls *delete.php* for delete action –
click ok on confirm message.



After confirm ok, it shows home again.

