**IMPLEMENTATION OF PHP PROGRAMMING LANGUAGE.**

**OBJECTIVE**

To implement and familiarize with PHP.

**THEORY**

**PHP**

PHP is a popular general-purpose scripting language that is especially suited to web development. It was originally created by Rasmus Lerdorf in 1994, the PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

PHP code may be executed with a command line interface (CLI), embedded into HTML code, or used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in a web server or as a Common Gateway Interface (CGI) executable. The web server outputs the results of the interpreted and executed PHP code, which may be any type of data, such as generated HTML code or binary image data. PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control.

**ACTIVITIES**

At First, we created a folder with name as everestcsit, then we created files as index.php , user.php, edituser.php, login.php, logout.php and db.php .

In index.php we first check the user is logged in or not. If not, then we redirect to login page using php. Then there is a button with link to navigate to the user page. Also logout button to log out from the page.

In db.php we write php code to connect to a database, which can be import or used in other page so that it is not necessary again and again to write same code for database connection.

In user.php we first check the user is logged in or not. If not, then we redirect to login page using php. If logged in, then we connect to the database using db.php. We then take user details and use POST method to insert into the database using sql query. Then we get data of users from the database and display using table structure. We also make edit and delete link for each user data. On click of delete we delete the entire details of user of that row using the delete query. On click of edit, we then navigate to the edituser.php. Basically, we did insert, retrieve and delete operation in this file.

In edituser.php, we take the updated value from the user and use update query to update the data in the database.

In login.php, first we connect to the database using db.php. Then we take the username and password from the user and we check whether the entered credentials are correct or not. If yes, then the user is successfully logged in to the system.

In logout.php, we unset and destroy the sessions and the user is redirected to the login page.

**SOURCE CODE**

**login.php**

<?php

session\_start();

if(isset($\_SESSION['suserid']))

header('Location:index.php');

require 'db.php';

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

extract($\_POST);

$user = $pdo->prepare("SELECT \* FROM tbl\_user WHERE username= :username AND password= :password");

$criteria = [ 'username' => $username, 'password' => $password ];

$user->execute($criteria);

if($user->rowCount()==1){

$row = $user->fetch();

$\_SESSION['suserid'] = $row['id'];

header('Location:index.php');

}

else{

echo 'Invalid Credentials. Please Try Again.';

}

}

?>

<h2>Login Here</h2>

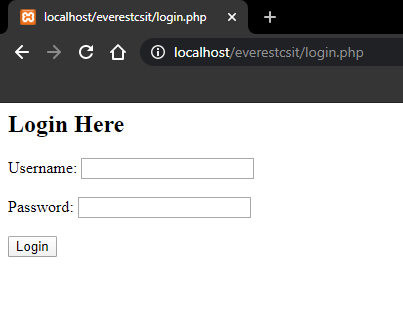
<form action="" method="post">

Username: <input type="text" name="username" id=""><br><br>

Password: <input type="password" name="password" id=""><br><br>

<input type="submit" value="Login" name="login">

</form>



**index.php**

<?php

session\_start();

if(!isset($\_SESSION['suserid'])){

header('Location:login.php');

}

?>

<!-- <button><a href="login.php">Login Now</a></button> -->

<!-- <div>You are logged In</div> -->

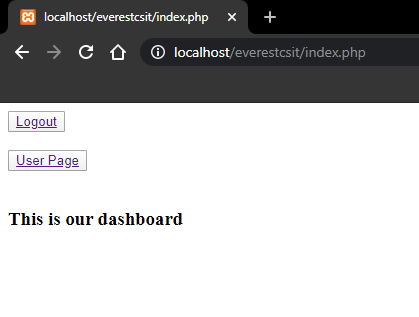
<button><a href="logout.php">Logout</a></button>

<br><br>

<button><a href="user.php">User Page</a></button><br><br>

<h3>This is our dashboard</h3>

<br><br>



**db.php**

<?php

$pdo = new PDO('mysql:dbname=everestcsit;host=localhost','root','');

**user.php**

<?php

session\_start();

if(!isset($\_SESSION['suserid'])){

header('Location:login.php');

}

?>

<?php

require 'db.php';

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

extract($\_POST); //makes variables of array indexes

$r = $pdo->query("INSERT INTO tbl\_user(id,name,address,email,birthdate) VALUES('','$name','$address','$email','$birthdate')");

echo 'Inserted';

}

if(isset($\_GET['msg'])){

echo $\_GET['msg'];

}

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

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

$del = $pdo->query("DELETE FROM tbl\_user WHERE id='$id'");

header('Location:user.php?msg=User Deleted');

}

?>

<br>

<button><a href="index.php">Home</a></button>

<h3>Enter User Details</h3>

<form action="" method="POST">

Name : <input type="text" name="name" id=""><br><br>

Address : <input type="text" name="address" id=""><br><br>

Email : <input type="email" name="email" id=""><br><br>

Birth Date : <input type="date" name="birthdate" id=""><br><br>

<input type="submit" value="Add" name="add">

</form>

<h3>User List</h3>

<table border="2">

<tr>

<th>Name</th>

<th>Address</th>

<th>Email</th>

<th>Birthdate</th>

<th>Action</th>

</tr>

<?php

$userList = $pdo->query("SELECT \* FROM tbl\_user");

foreach($userList as $user){?>

<tr>

<td><?php echo $user['name']; ?></td>

<td><?php echo $user['address']; ?></td>

<td><?php echo $user['email']; ?></td>

<td><?php echo $user['birthdate']; ?></td>

<td>

<a href="edituser.php?id=<?php echo $user['id'];?>">Edit</a>

<a href="user.php?id=<?php echo $user['id'];?>">Delete</a>

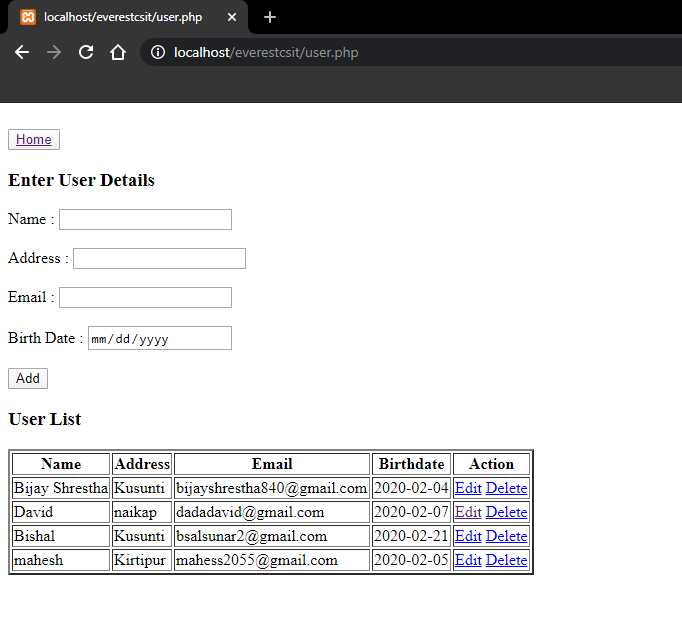
</td>

</tr>

<?php }

?>

</table>



**edituser.php**

<?php

session\_start();

if(!isset($\_SESSION['suserid'])){

header('Location:login.php');

}

?>

<?php

require 'db.php';

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

$stmt = $pdo->query("SELECT \* FROM tbl\_user WHERE id = '$id'");

$user = $stmt->fetch();

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

extract($\_POST);

$pdo->query("UPDATE tbl\_user SET name = '$name', address='$address', email='$email', birthdate ='$birthdate' WHERE id='$id'");

header('Location:user.php?msg=User Updated');

}

?>

<h3>Edit User Details</h3>

<form action="" method="POST">

<input type="hidden" name="id" value="<?php echo $user['id'];?>">

Name : <input type="text" name="name" id="" value="<?php echo $user['name'];?>"><br><br>

Address : <input type="text" name="address" id="" value="<?php echo $user['address'];?>"><br><br>

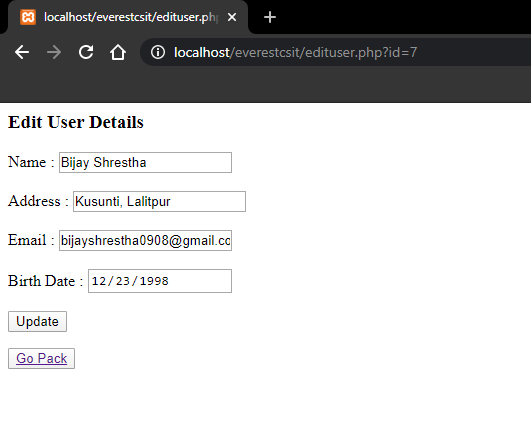
Email : <input type="email" name="email" id="" value="<?php echo $user['email'];?>"><br><br>

Birth Date : <input type="date" name="birthdate" id="" value="<?php echo $user['birthdate'];?>"><br><br>

<input type="submit" value="Update" name="update">

</form>

<button><a href="index.php">Go Pack</a></button>



**logout.php**

<?php

session\_start();

session\_unset();

session\_destroy();

header('Location:login.php');

?>

**SUMMARY/PROBLEM FACED**

We are able to learn php and perform the CRUD operation using it. We also learn about sessions.

The main problem faced was to manage the user details i.e. to insert, delete, update in the database.

**LAB INSTRUCTOR COMMENTS**