**Lab#5(a) Using PHP OOP, implement following using design of lab 3**

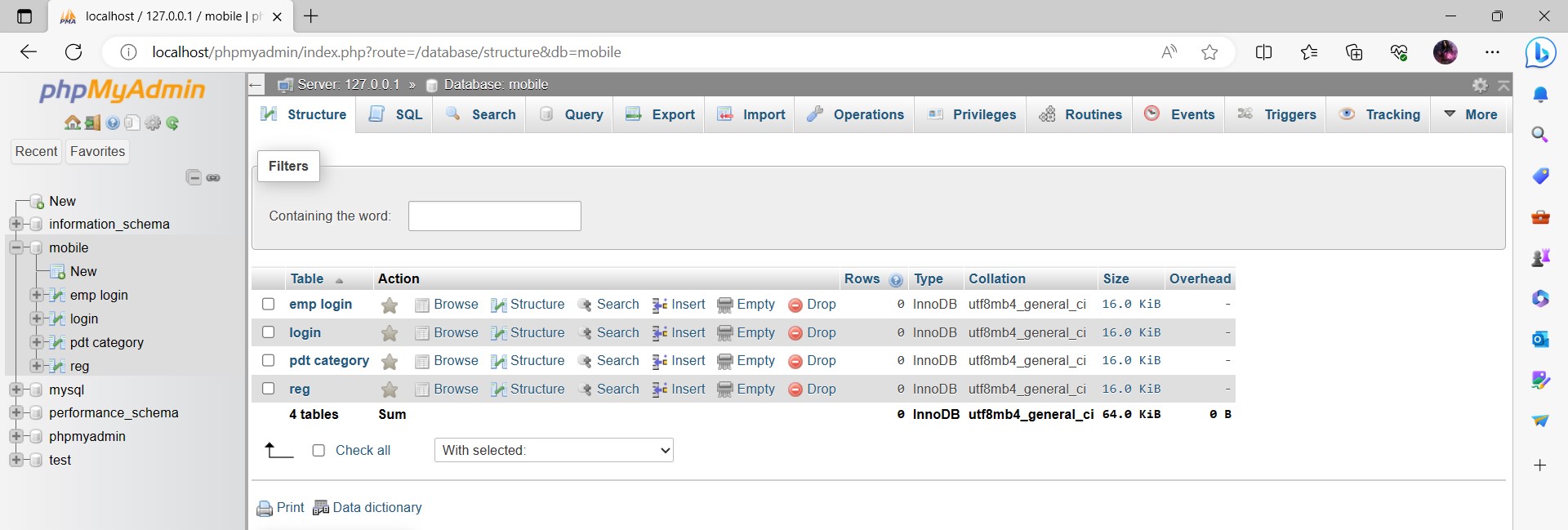
**a. Create a database for mobile shopping.**

|  |  |  |
| --- | --- | --- |
| **TAGS USED** | **ATTRIBUTES USED** | **DESCRIPTION** |
| DATABASE | mobile | A SQL database is a collection of tables that stores a specific set of structured data. |
| TABLE | Emp login, login , pdt category, reg | A table in SQL is a structure that stores data in rows and columns |
| VALUES( ) | -- | [VALUES is a table value constructor that specifies a set of row values to be inserted into a table.](https://database.guide/values-clause-in-sql-server/) |
| PRIMARY KEY | -- | [A primary key in SQL is a constraint that uniquely identifies each row in a table.](https://www.bing.com/search?q=big+int+in+sql&form=ANNTH1&refig=49960ec592434f5aae8d358ad5bbc00f&showconv=1) |

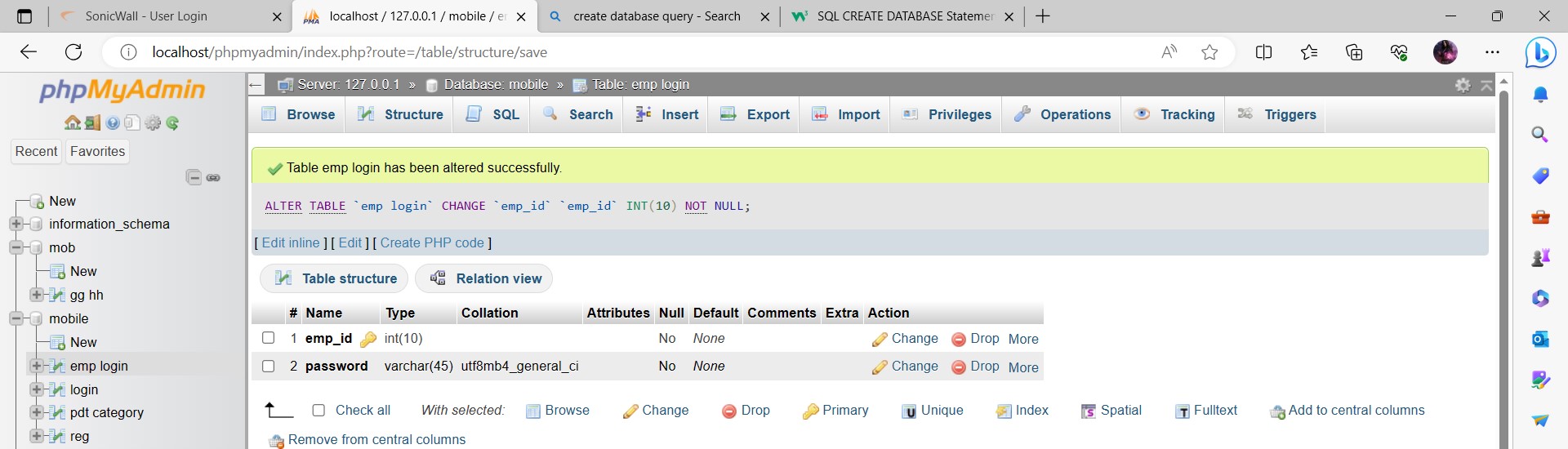
**Final Outcome: [Font Cambria, size 14 bold]**

**Final Outcome:**

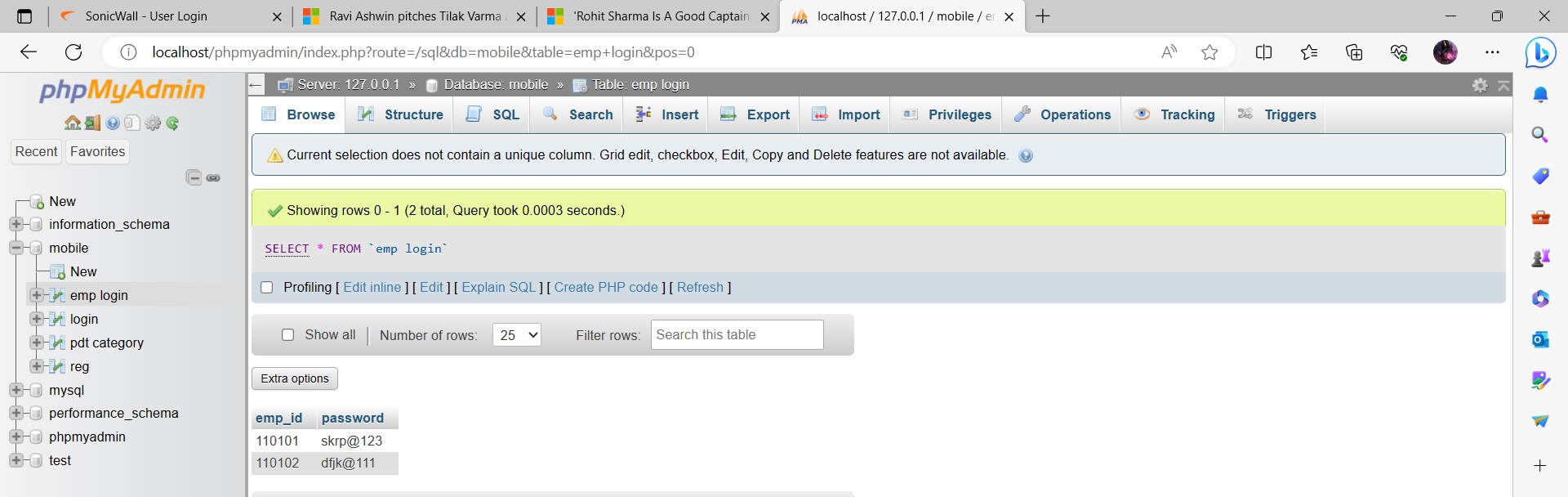
**Mobile application Database**



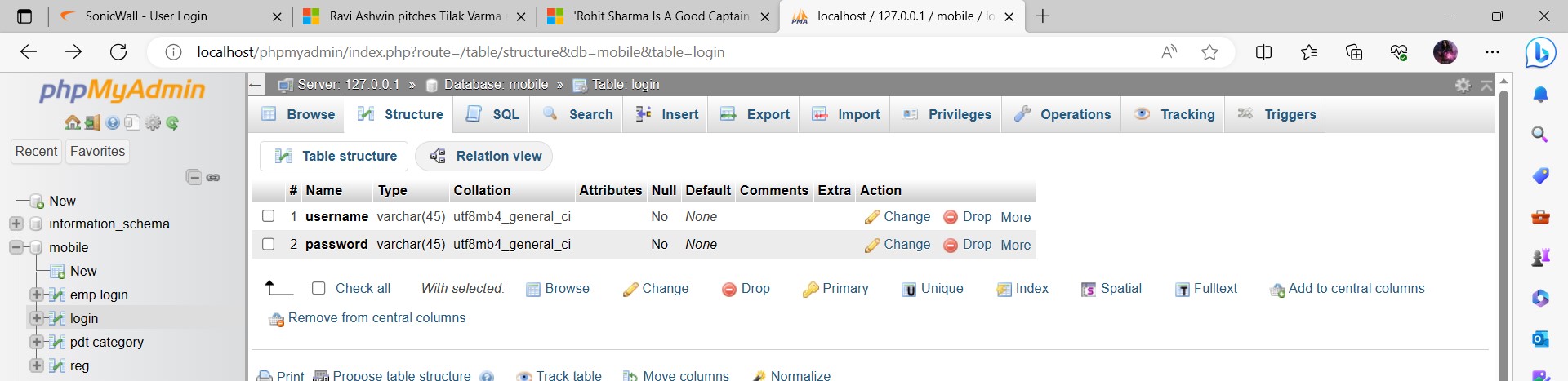
**Employee Login structure**



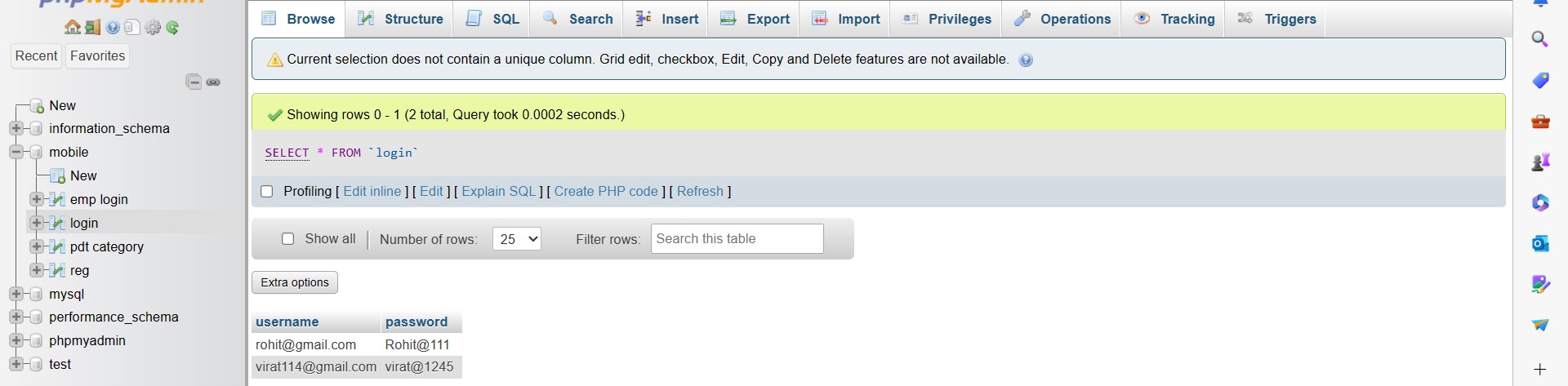
**Values in Employee Login**



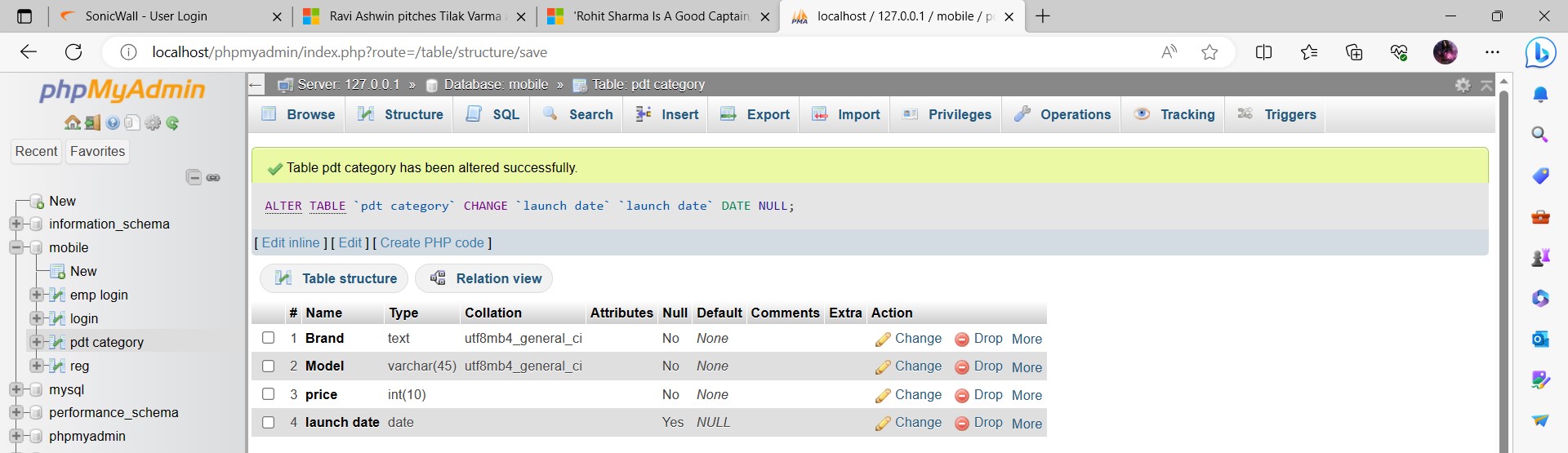
**Login Structure**



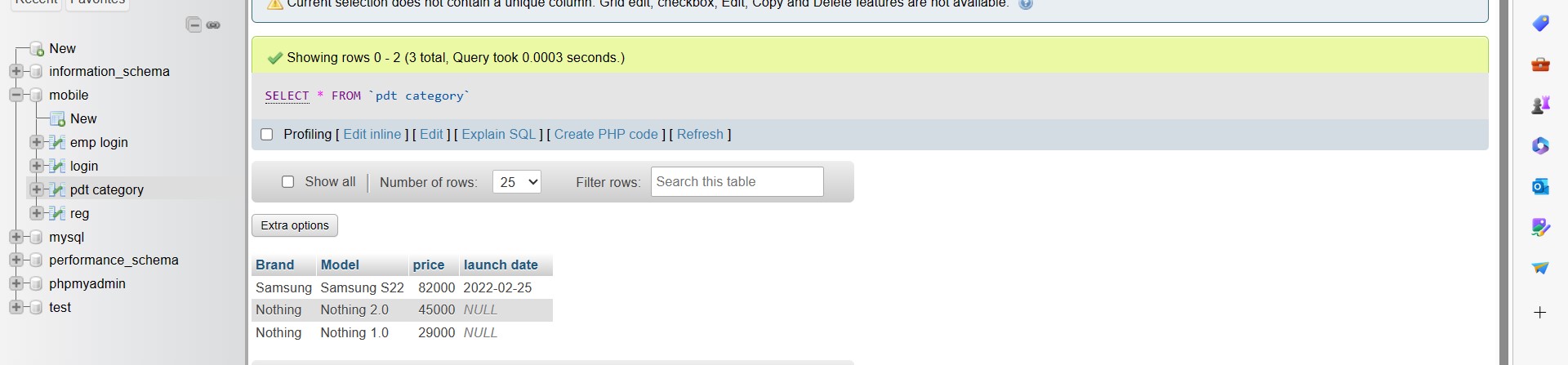
**Values in Login**



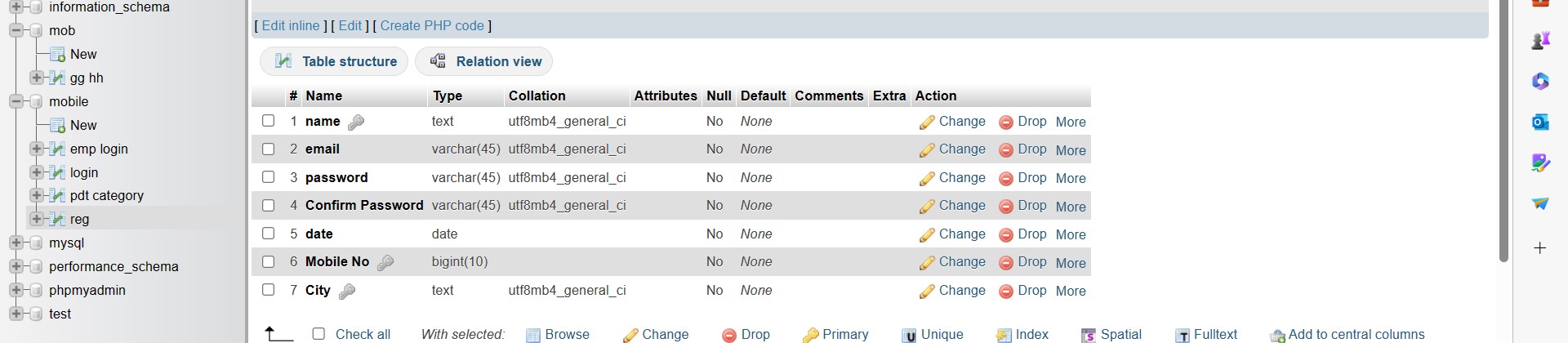
**Product Category Structure**



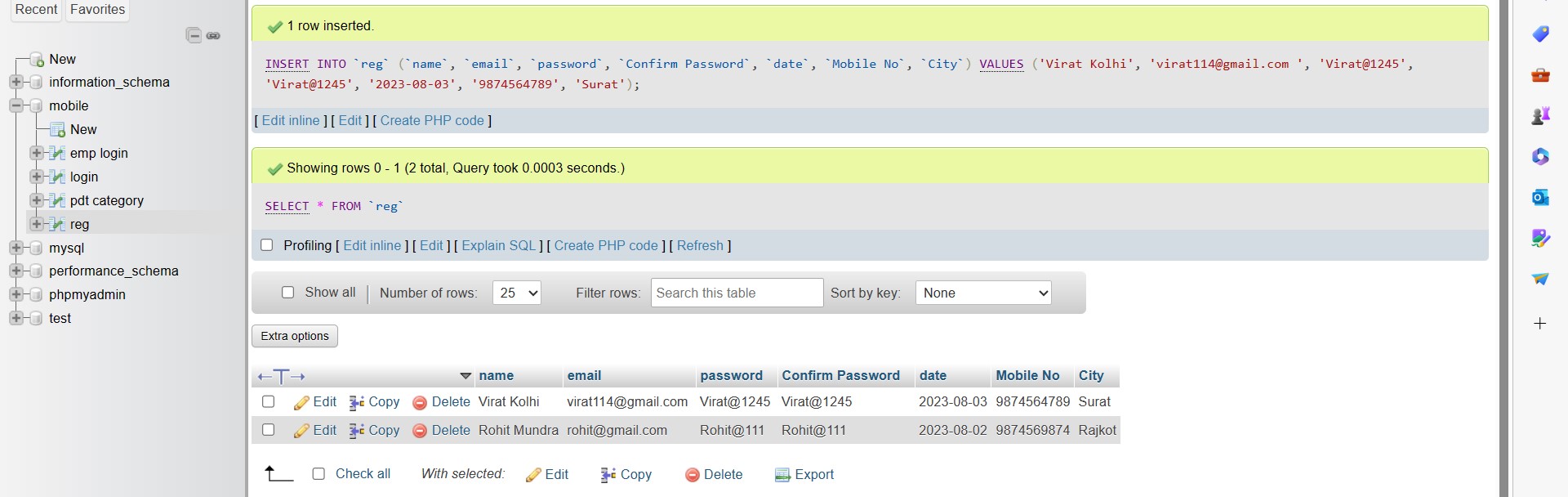
**Values in product Category**



**Registration Structure**



**Values in Registration**

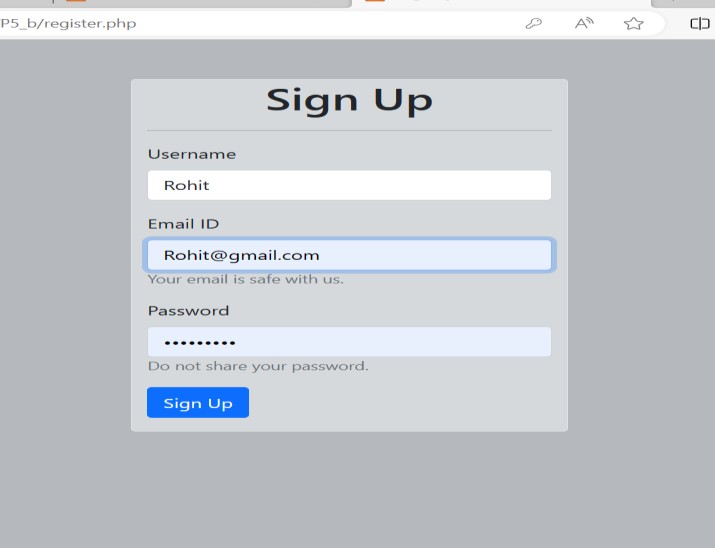


**Lab#5(b) Adding a external stylesheet to make registration form look elegant.**

|  |  |  |
| --- | --- | --- |
| **PROPERTY USED** | **ATTRIBUTES USED** | **DESCRIPTION** |
| <?php | **--** | a server side scripting language that is embedded in HTML |
| $\_POST[ ] | name, email, password | PHP $\_POST is a PHP super global variable which is used to collect form data after submitting an HTML form |
| INSERT | -- | used to insert values inside a particular table. |
| die( ) | $conn | used to immediately terminate the execution of a script and display a specified message or error. |
| $conn | mysqli, connect\_error | $CONN represents a database connection object. It is used  when establishing a connection to a database server. |
| isset() |  | checks whether a variable is set, which means that it has to be declared and is not NULL |
| mysqli\_query() | $conn,$query | accepts a string value representing a query as one of the parameters and, executes/performs the given query on the database. |
| mysqli\_error | $conn | used to return the error in the  most recent MySQL function call that failed |
| mysqli\_fetch\_array() |  | used to fetch rows from the database and store them as an array |
| $\_SESSION[] | id,name,email | used to get or set the session id for the current session |
| session\_start() |  | creates a session or resumes the current one based on a session identifier passed via a GET or POST request. |

**Final Outcome:**

**Registration Page:**



**Users table**:



**Login page:**



**Dashboard:**



**Code Snippet:**

database.php

<?php

$host= 'localhost';

$user= 'root';

$password = "";

$database = 'mydb2';

$conn = mysqli\_connect($host,$user,$password,$database);

if (!$conn)

{

die("Connection failed: " . mysqli\_connect\_error());

}

?>

register.php <?php if (isset($\_POST['signup'])) { $name = $\_POST['name']; $email = $\_POST['email'];

$password = $\_POST['password'];

$query = "INSERT INTO users(username,email,password)

VALUES('{$name}','{$email}','{$password}')";

$addUser = mysqli\_query($conn, $query);

if (!$addUser) { echo "Something went wrong" . mysqli\_error($conn);

} else { header('location: login.php');

}

}

?>

login.php

<?php session\_start(); ?>

<?php

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

$email = $\_POST['email'];

$password = $\_POST['password'];

$query = "SELECT \* from users WHERE email = '$email' AND password = '$password'";

$user = mysqli\_query($conn, $query);

if (!$user) { die('query Failed' . mysqli\_error($conn));

}

while ($row = mysqli\_fetch\_array($user)) {

$user\_id = $row['ID'];

$user\_name = $row['username'];

$user\_email = $row['email'];

$user\_password = $row['password'];

}

if ($user\_email == $email && $user\_password == $password) {

$\_SESSION['id'] = $user\_id; // Storing the value in session

$\_SESSION['name'] = $user\_name; // Storing the value in session $\_SESSION['email'] = $user\_email; // Storing the value in session header('location: dashboard.php?user\_id=' . $user\_id);

} else { header('location: login.php');

}

}

?> dashboard.php

<?php session\_start(); // Start the session ?>

<?php

if (!isset($\_SESSION['id'])) { // condition Check: if session is not set. header('location: login.php'); // if not set the user is sendback to login page.

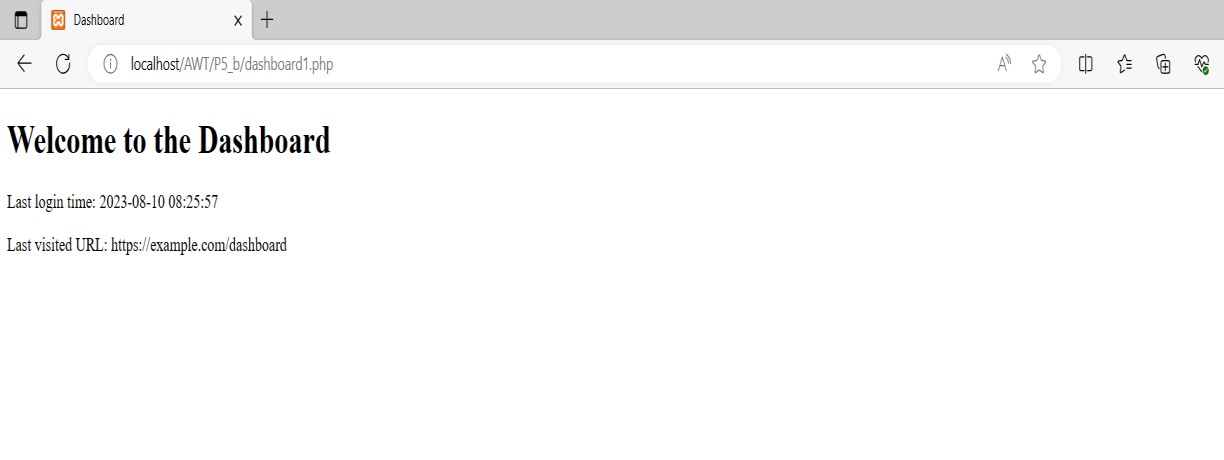
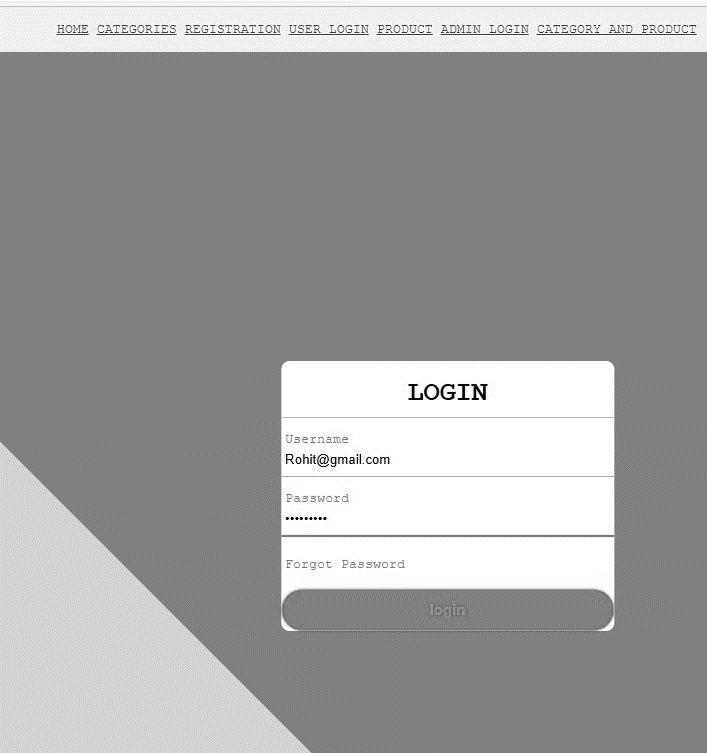
}

?>

**Lab#5(c) Store details like password, time of login and url in the cookies**

|  |  |  |
| --- | --- | --- |
| **PROPERTY USED** | **ATTRIBUTES USED** | **DESCRIPTION** |
| <?php | **--** | a server side scripting language that is embedded in HTML |
| $\_POST[ ] | name, email, password | PHP $\_POST is a PHP super global variable which is used to collect form data after submitting an HTML form |
| INSERT | -- | used to insert values inside a particular table. |
| die( ) | $conn | used to immediately terminate the execution of a script and display a specified message or error. |
| isset() |  | checks whether a variable is set, which means that it has to be declared and is not NULL |
| mysqli\_query() | $conn,$query | accepts a string value representing a query as one of the parameters and, executes/performs the given query on the database. |
| mysqli\_error | $conn | used to return the error in the  most recent MySQL function call that failed |
| mysqli\_fetch\_array() |  | used to fetch rows from the database and store them as an array |
| $\_SESSION[] | id,name,email | used to get or set the session id for the current session |
| setcookie() |  | function defines a cookie to be sent along with the rest of the HTTP headers. |
| time() |  | returns the current time in the number of seconds since the Unix Epoch |

**Final Outcome:**



**Code Snippet:**

login.php

<?php if ($\_SERVER['REQUEST\_METHOD'] === 'POST') {

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

$email = $\_POST['email'];

$password = $\_POST['password'];

$query = "SELECT \* from users WHERE email = '$email' AND password = '$password'"; $user = mysqli\_query($conn, $query);

if (!$user) { die('query Failed' . mysqli\_error($conn));

}

while ($row = mysqli\_fetch\_array($user)) {

$user\_id = $row['ID'];

$user\_name = $row['username'];

$user\_email = $row['email'];

$user\_password = $row['password'];

}

if ($user\_email == $email && $user\_password == $password) {

$loginTime = time();

$url = 'https://example.com/dashboard';

// Set cookies setcookie('login\_time', $loginTime, time() + (86400 \* 30), '/'); setcookie('last\_visited\_url', $url, time() + (86400 \* 30), '/'); header('Location: dashboard1.php');

exit;

}}

?>

**dashboard1.php**

<?php

// Check if the user is logged in if (!isset($\_COOKIE['login\_time'])) { header('Location: login.php');

exit;

}

$loginTime = $\_COOKIE['login\_time'];

$lastVisitedUrl = isset($\_COOKIE['last\_visited\_url']) ? $\_COOKIE['last\_visited\_url'] : ''; $currentUrl = 'https://' . $\_SERVER['HTTP\_HOST'] . $\_SERVER['REQUEST\_URI']; setcookie('last\_visited\_url', $currentUrl, time() + (86400 \* 30), '/');

?>

<!DOCTYPE html>

<html>

<head>

<title>Dashboard</title>

</head>

<body>

<h1>Welcome to the Dashboard</h1>

<p>Last login time: <?php echo date('Y-m-d H:i:s', $loginTime); ?></p>

<p>Last visited URL: <?php echo $lastVisitedUrl; ?></p>

</body>

</html>