

Lab #5(a)

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

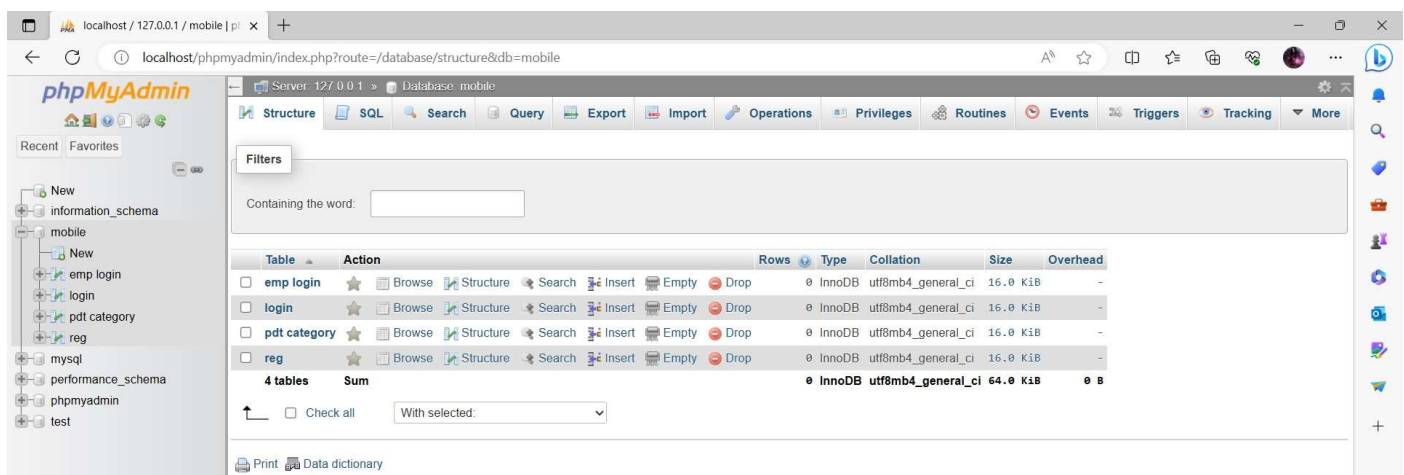
a. Create a database for mobile shopping.

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.
PRIMARY KEY	--	A primary key in SQL is a constraint that uniquely identifies each row in a table.

Final Outcome: [Font Cambria, size 14 bold]

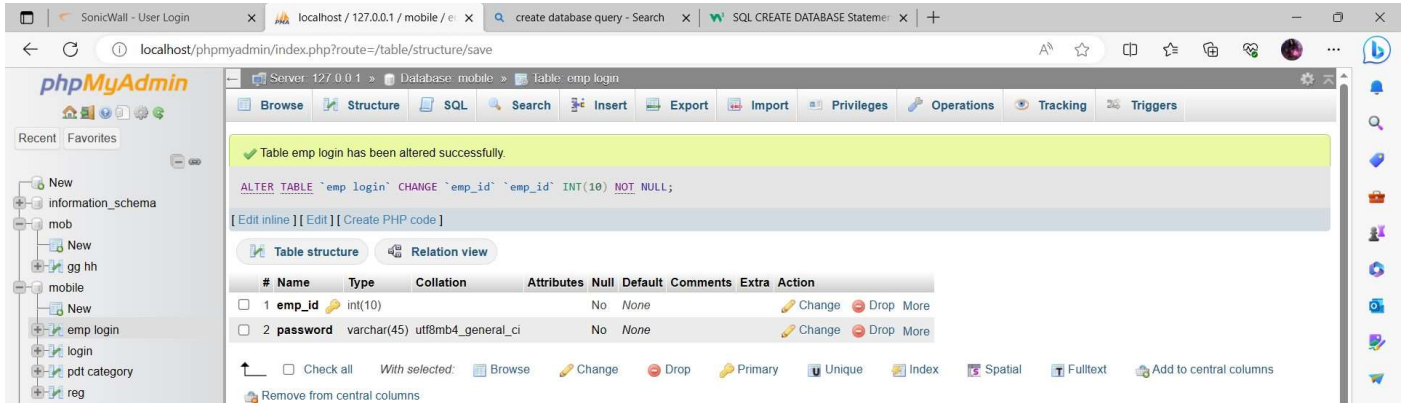
Final Outcome:

Mobile application Database



Lab #5(a)

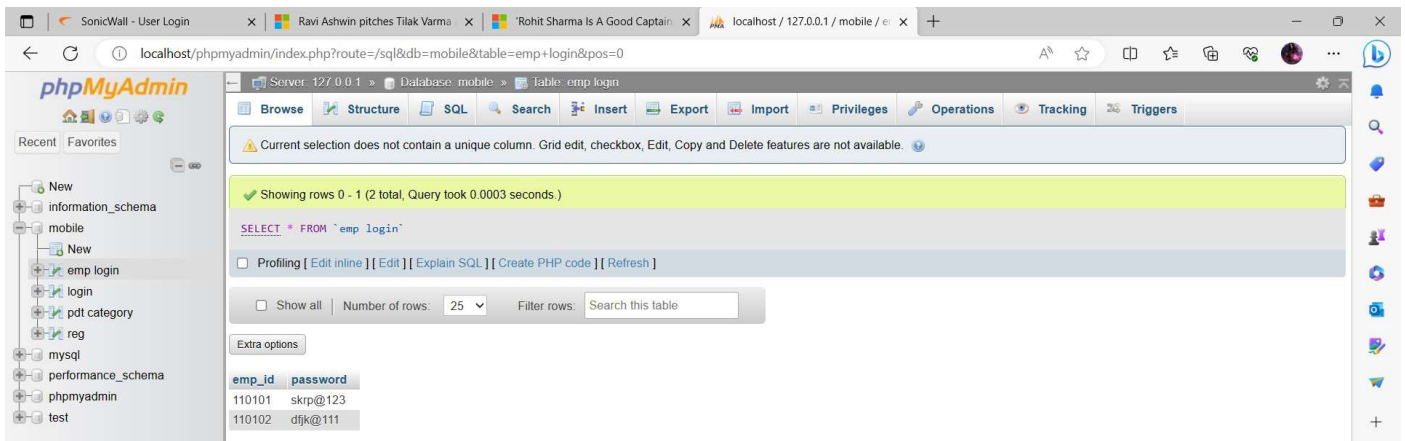
Employee Login structure



The screenshot shows the phpMyAdmin interface with the 'emp_login' table selected. A message at the top states: "Table emp_login has been altered successfully." Below this, the SQL query used for the alteration is displayed: `ALTER TABLE `emp_login` CHANGE `emp_id` `emp_id` INT(10) NOT NULL;`. The 'Table structure' tab is active, showing the following table structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	emp_id	int(10)			No	None			Change Drop More
2	password	varchar(45)	utf8mb4_general_ci		No	None			Change Drop More

Values in Employee Login



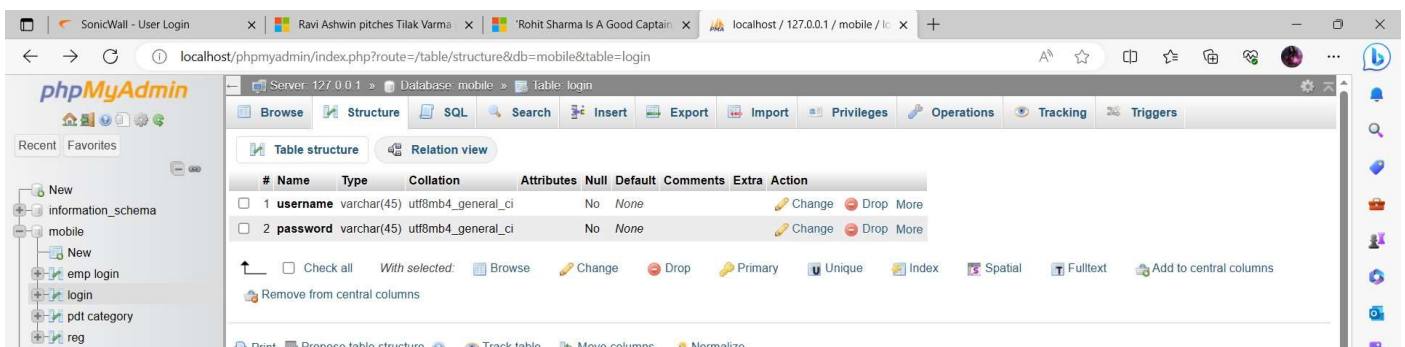
The screenshot shows the phpMyAdmin interface with the 'emp_login' table selected. A message at the top states: "Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available." Below this, the SQL query used for the selection is displayed: `SELECT * FROM `emp_login``. The 'Table structure' tab is active, showing the following table structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	emp_id	int(10)			No	None			Change Drop More
2	password	varchar(45)	utf8mb4_general_ci		No	None			Change Drop More

The data table shows the following values:

emp_id	password
110101	skrp@123
110102	dfjk@111

Login Structure

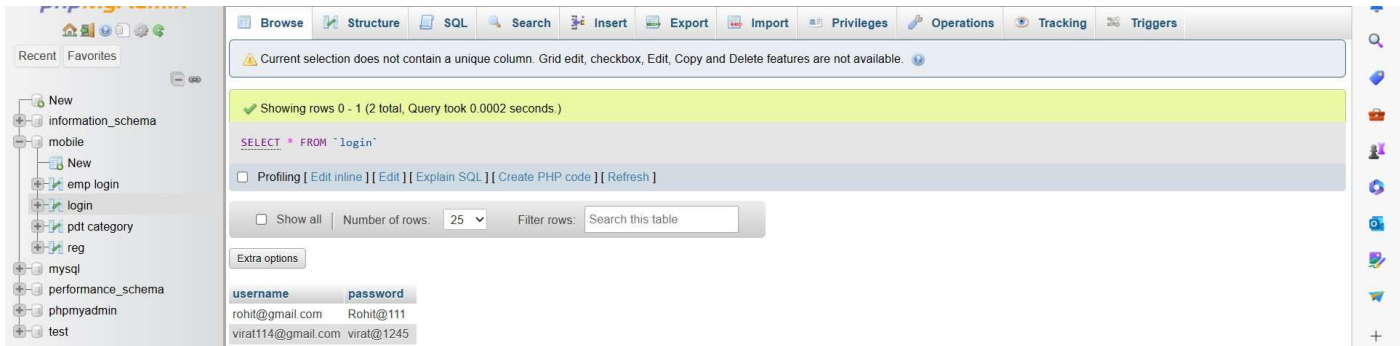


The screenshot shows the phpMyAdmin interface with the 'login' table selected. The 'Table structure' tab is active, showing the following table structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	username	varchar(45)	utf8mb4_general_ci		No	None			Change Drop More
2	password	varchar(45)	utf8mb4_general_ci		No	None			Change Drop More

Lab #5(a)

Values in Login



Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 1 (2 total, Query took 0.0002 seconds)

```
SELECT * FROM `login`
```

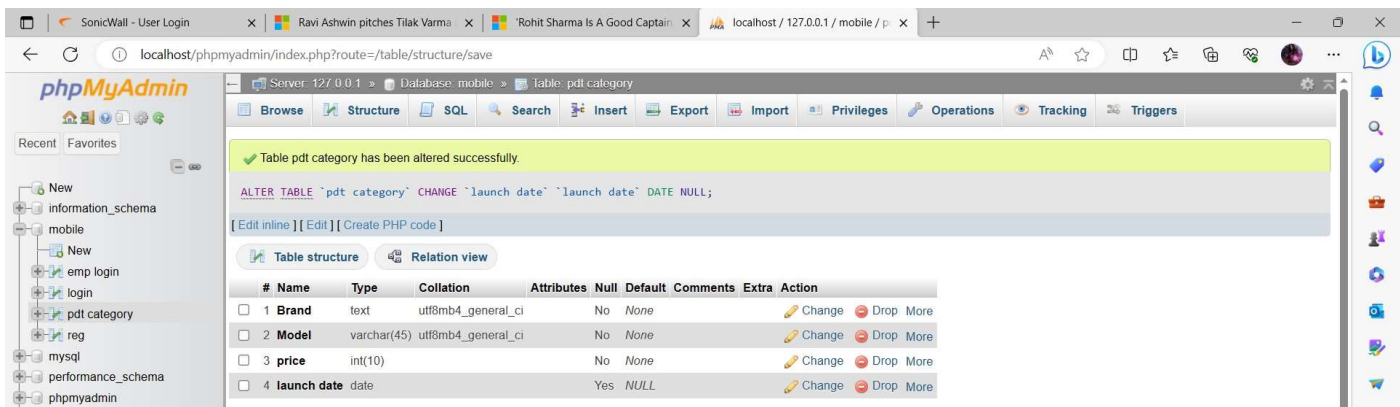
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

username	password
rohit@gmail.com	Rohit@111
virat114@gmail.com	virat@1245

Product Category Structure



Server: 127.0.0.1 - Database: mobile - Table: pdt category

Table pdt category has been altered successfully.

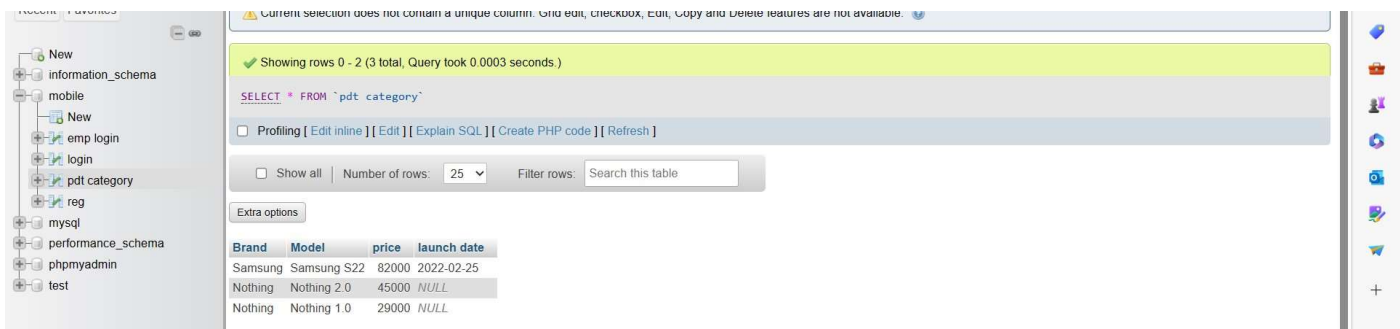
```
ALTER TABLE `pdt category` CHANGE `launch date` `launch date` DATE NULL;
```

[Edit inline] [Edit] [Create PHP code]

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Brand	text	utf8mb4_general_ci		No	None			Change Drop More
2	Model	varchar(45)	utf8mb4_general_ci		No	None			Change Drop More
3	price	int(10)			No	None			Change Drop More
4	launch date	date			Yes	NULL			Change Drop More

Values in product Category



Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 2 (3 total, Query took 0.0003 seconds)

```
SELECT * FROM `pdt category`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

Brand	Model	price	launch date
Samsung	Samsung S22	82000	2022-02-25
Nothing	Nothing 2.0	45000	NULL
Nothing	Nothing 1.0	29000	NULL

Lab #5(a)

Registration Structure

information_schema

mob

New

gg hh

mobile

New

emp login

login

pdt category

reg

mysql

performance_schema

phpmyadmin

test

[Edit inline] [Edit] [Create PHP code]

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 name	text	utf8mb4_general_ci		No	None			
<input type="checkbox"/>	2 email	varchar(45)	utf8mb4_general_ci		No	None			
<input type="checkbox"/>	3 password	varchar(45)	utf8mb4_general_ci		No	None			
<input type="checkbox"/>	4 Confirm Password	varchar(45)	utf8mb4_general_ci		No	None			
<input type="checkbox"/>	5 date	date			No	None			
<input type="checkbox"/>	6 Mobile No	bigint(10)			No	None			
<input type="checkbox"/>	7 City	text	utf8mb4_general_ci		No	None			

Check all

With selected:

Browse

Change

Drop

Primary

Unique

Index

Spatial

Fulltext

Add to central columns

Values in Registration

Recent Favorites

New

information_schema

mobile

New

emp login

login

pdt category

reg

mysql

performance_schema

phpmyadmin

test

1 row inserted.

INSERT INTO `reg` (`name`, `email`, `password`, `Confirm Password`, `date`, `Mobile No`, `City`) VALUES ('Virat Kolhi', 'virat114@gmail.com', 'Virat@1245', 'Virat@1245', '2023-08-03', '9874564789', 'Surat');

[Edit inline] [Edit] [Create PHP code]

Showing rows 0 - 1 (2 total. Query took 0.0003 seconds.)

SELECT * FROM `reg`

Profiling

[Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Extra options

	name	email	password	Confirm Password	date	Mobile No	City
<input type="checkbox"/>		Virat Kolhi	virat114@gmail.com	Virat@1245	Virat@1245	2023-08-03	9874564789 Surat
<input type="checkbox"/>		Rohit Mundra	rohit@gmail.com	Rohit@111	Rohit@111	2023-08-02	9874569874 Rajkot

Check all

With selected:

Edit

Copy

Delete

Export

Lab #5(b)

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

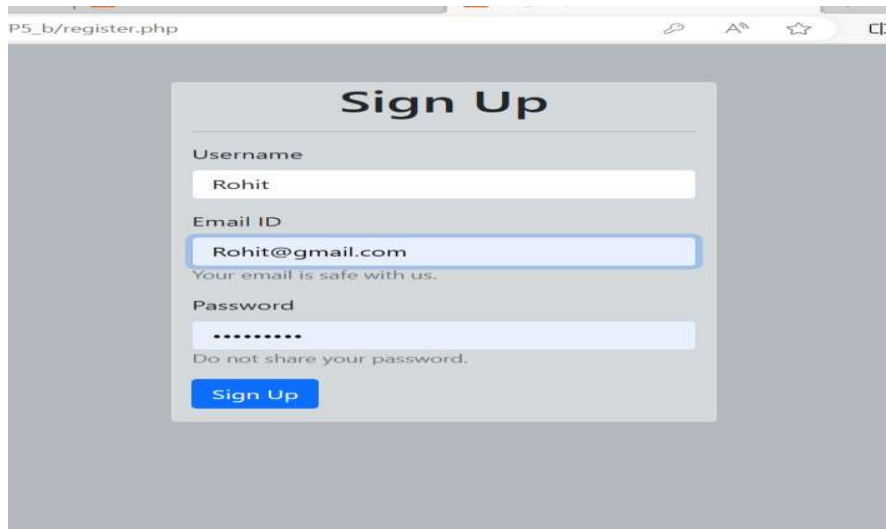
PROPERTY USED	ATTRIBUTES USED	DESCRIPTION
<?php	--	a server side scripting language that is embedded in HTML
\$_POST[]	name, email, password	PHP \$_POST is a PHP super global variable which is used to collect form data after submitting an HTML form
INSERT	--	used to insert values inside a particular 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

Lab #5(b)

session_start()		creates a session or resumes the current one based on a session identifier passed via a GET or POST request.
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Final Outcome:

Registration Page:



Lab #5(b)

Users table:

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds)

SELECT * FROM `users`

Number of rows: 25

ID	username	email	password
1	Rohit	Rohit@gmail.com	Rohit@111

Login page:



Dashboard:



Code Snippet:

database.php

```
<?php
```

```
$host= 'localhost';
```

```
$user= 'root';
```

```
$password = "";
```

```
$database = 'mydb2';
```

Lab #5(b)

```
$conn = mysqli_connect($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));
}
}
```

Lab #5(b)

```
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)

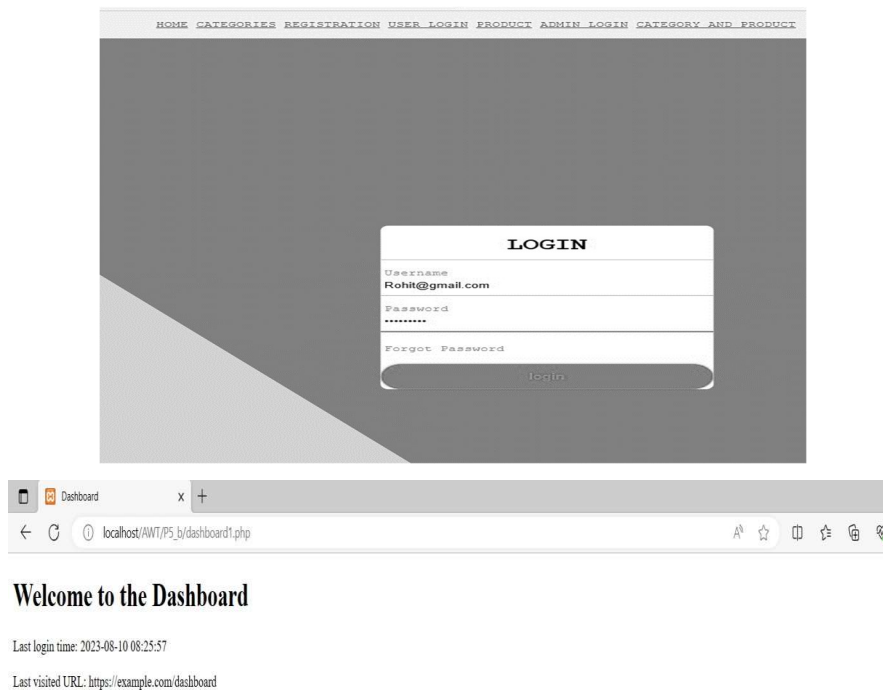
Lab#5(c) Store details like password, time of login and url in the cookies

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.

Lab #5(c)

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'];
```

Lab #5(c)

```
$query = "SELECT * from users WHERE email = '$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>
```