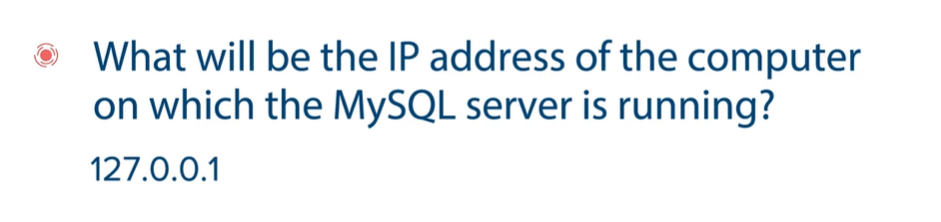


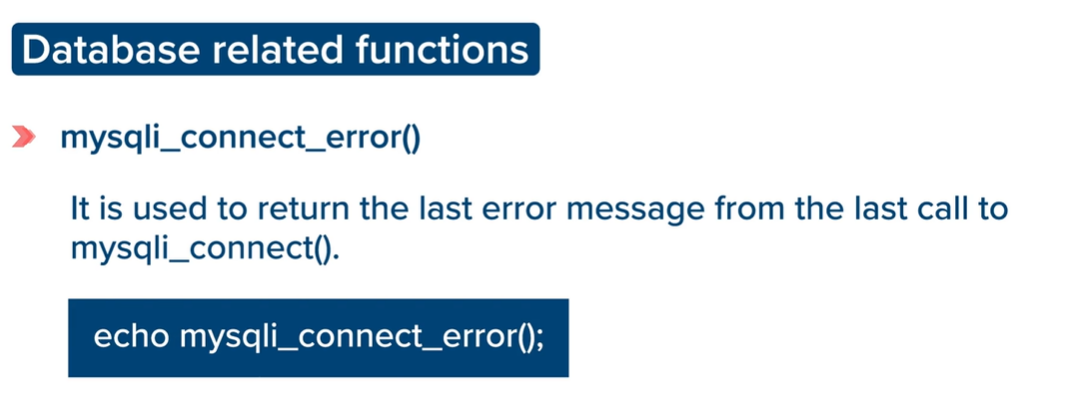
$db\_hostname:

IP address of computer on which MYSQL is running.

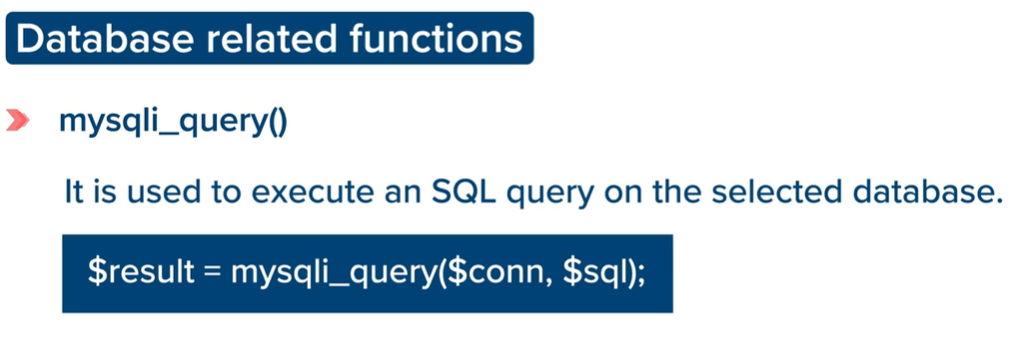
It return reference objects if connection is established , otherwise if connection is not established it returns false.



$db\_username:by default is root.



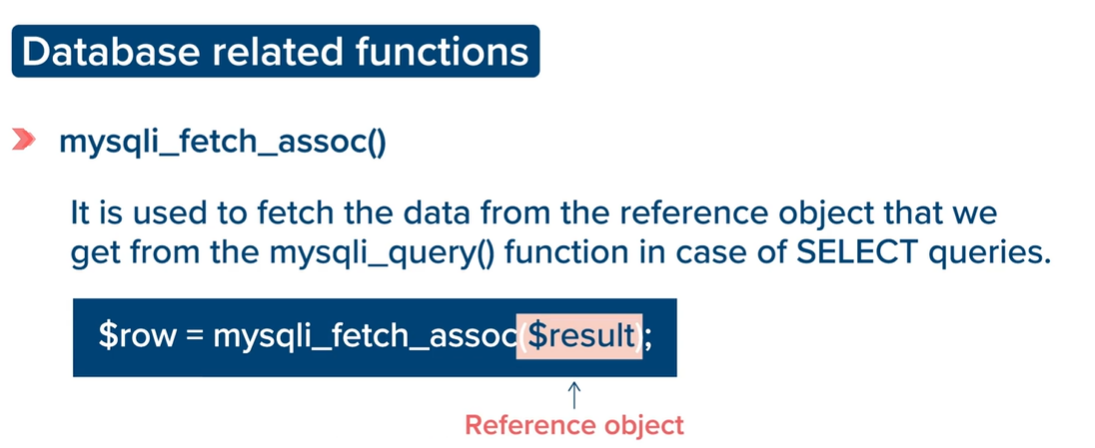
it describes the error message received .



$conn= connection reference object, $sql= sql query

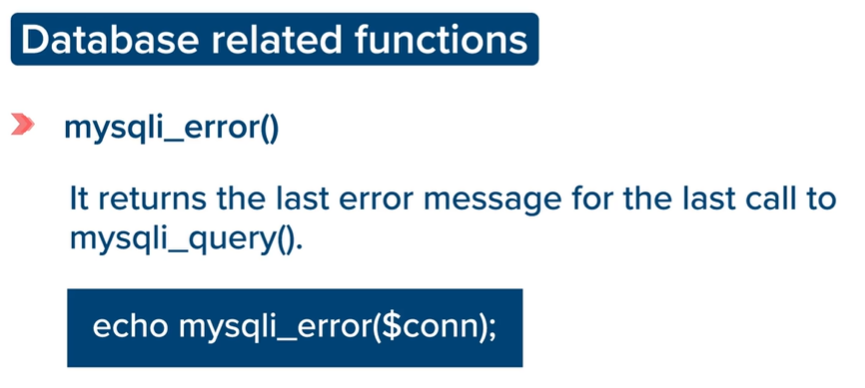
Returns true if query is executed else false is returned.

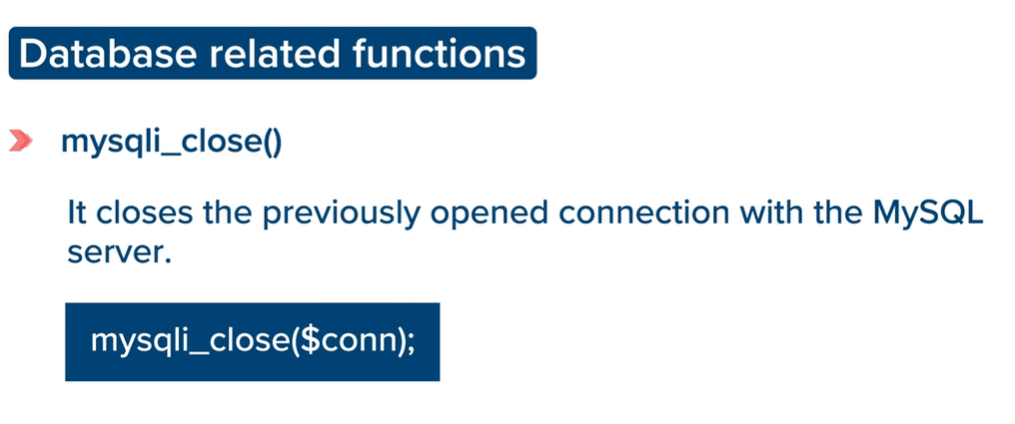
For SELECT queries, it returns reference objects.



For SELECT query , we use the above function.

It fetches the rows(or records) of table , one by one and pointer is thrown to next line. Once all lines(rows) are fetched , the function returns false.





REGISTER\_FORM:

Register\_form.php

<html>

    <head>

        <title>Registration Form</title>

    </head>

    <body>

        <h1>REGISTRATION FORM</h1>

        <form method="POST" action="register\_submit.php">

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

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

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

        SUBMIT<input type="submit" name="submit">

        </form>

    </body>

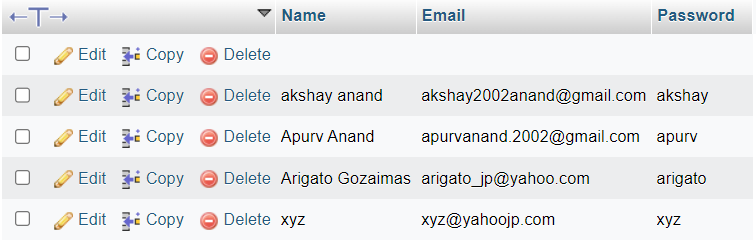
</html>

DATABASE : test

TABLE: users

**IMPORTANT:**

**The heading capital and small letters matter a lot. Please note capital N, capital E and capital P of Name, Email and Password of heading of users table.**



Register\_submit.php :

<?php

$db\_hostname="127.0.0.1";

$db\_username="root";

$db\_password="";

$db\_name="test";

$conn=mysqli\_connect($db\_hostname,$db\_username,$db\_password,$db\_name);

*if*(!$conn){

    echo "Connection failed.".mysqli\_connect\_error();

*exit*;

}

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

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

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

$sql="INSERT INTO users(Name,Email,Password) VALUES('$name','$email','$password')";

$result=mysqli\_query($conn,$sql);

*if*(!$result){

    echo "Error:".mysqli\_error($result);

*exit*;

}

echo "Registration successfull!";

mysqli\_close($conn);

?>

**IMPORTANT:**

$sql="INSERT INTO users(Name,Email,Password)

Name , Email and Password are to be written in this waly only as they have been written in this way in the table users heading.

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

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

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

‘name’,’email’,’password’ written in single quotes of $\_POST here must match with the way we have written in the form.

LOGIN FORM:

Login\_form.php

<html>

    <head>

        <title>Login Form</title>

    </head>

    <body>

        <h1>Login</h1>

        <form method="post" action="login\_submit.php">

            Email: <input type="text" name="email"/><br/><br/>

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

            <input type="submit" name="submit" value="Submit">

        </form>

    </body>

</html>

NOTE the way of writing ‘email’,’password’ in the name of different inputs.

Login\_submit.php

<?php

$db\_hostname="127.0.0.1";

$db\_username="root";

$db\_password="";

$db\_name="test";

$conn=mysqli\_connect($db\_hostname,$db\_username,$db\_password,$db\_name);

*if*(!$conn){

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

*exit*;

}

$sql="SELECT\* FROM users";

$result= mysqli\_query($conn,$sql);

*if*(!$result){

    echo "ERROR:".mysql\_error($conn);

*exit*;

}

*while*($row=mysqli\_fetch\_assoc($result)){

    echo $row['Name']."<br>";

}

mysqli\_close($conn);

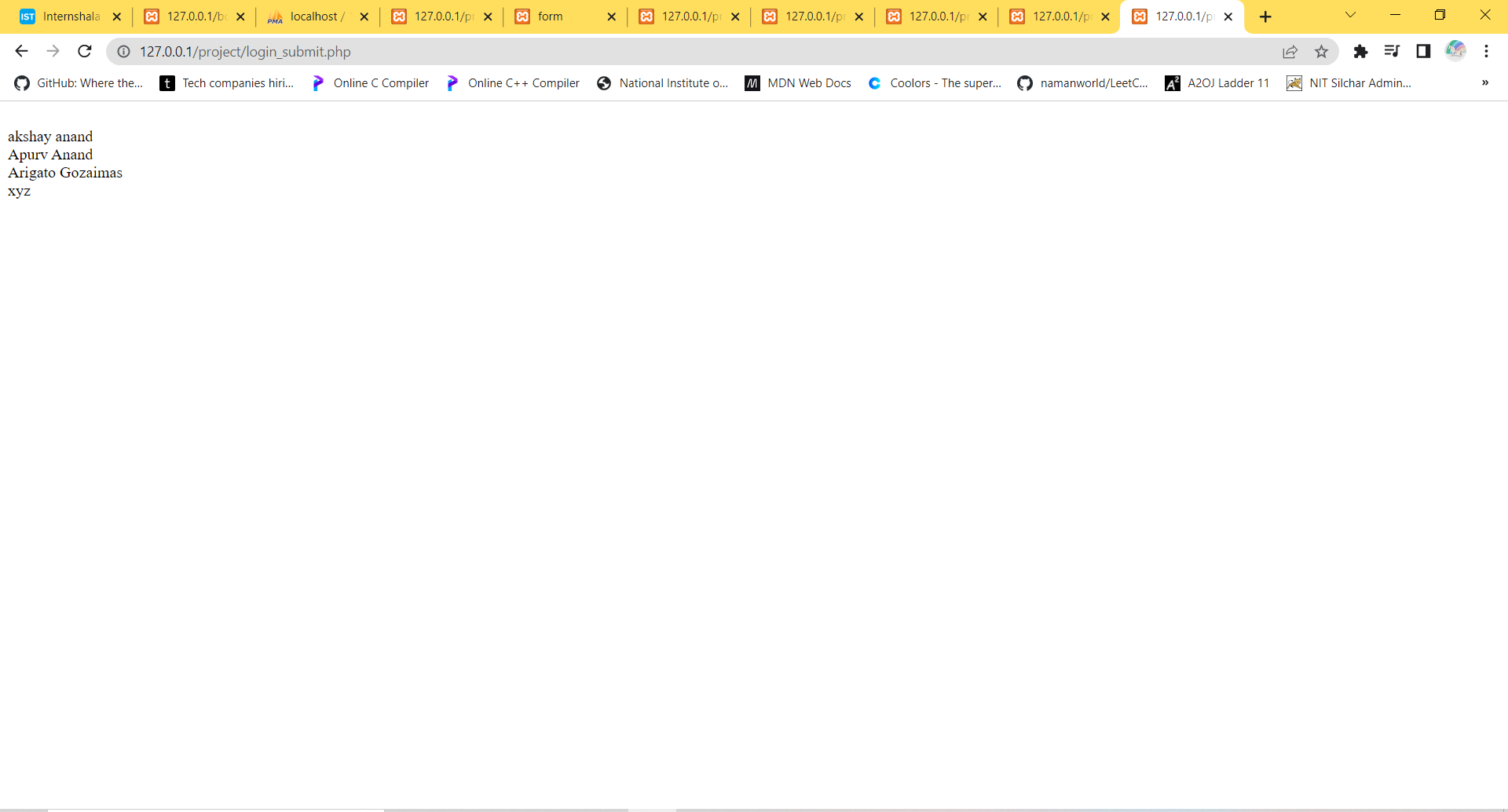
?>

**IMPORTANT:**

echo $row['Name']."<br>";

Here, ‘Name’ is written with capital N as ‘Name’ as heading in the table ‘users’ was written in this way.

**OUTPUT:**



**VERY VERY IMPORTANT QUESTION-**

QUESTION:

Write a PHP code for login\_submit.php that will be executed on submitting the login form (login\_form.php) that you created in the previous topic as a part of an exercise. The code should check if the email and password entered in the form are exactly the same as that stored in the database. If it does not match, it should say ‘Login Failed’. And, if it matches, it should print "Hello Name" (name as stored in the database).

ANSWER:

<?php

    $db\_hostname = "127.0.0.1";

    $db\_username = "root";

    $db\_password = "";

    $db\_name = "test";

    $conn = mysqli\_connect($db\_hostname, $db\_username, $db\_password, $db\_name);

*if* (!$conn) {

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

*exit*;

    }

    $email=$\_POST['email'];

    $password=$\_POST['password'];

    $sql = "SELECT \* FROM users WHERE email='$email' AND password='$password'";

    $result = mysqli\_query($conn, $sql);

*if* (!$result) {

        echo "Error: " . mysqli\_error($conn);

*exit*;

    }

    $row = mysqli\_fetch\_assoc($result);

*if* ($row) {

        echo "Hello " . $row['Name'] . "<br/>";

    } *else* {

        echo "Login Failed<br/>";

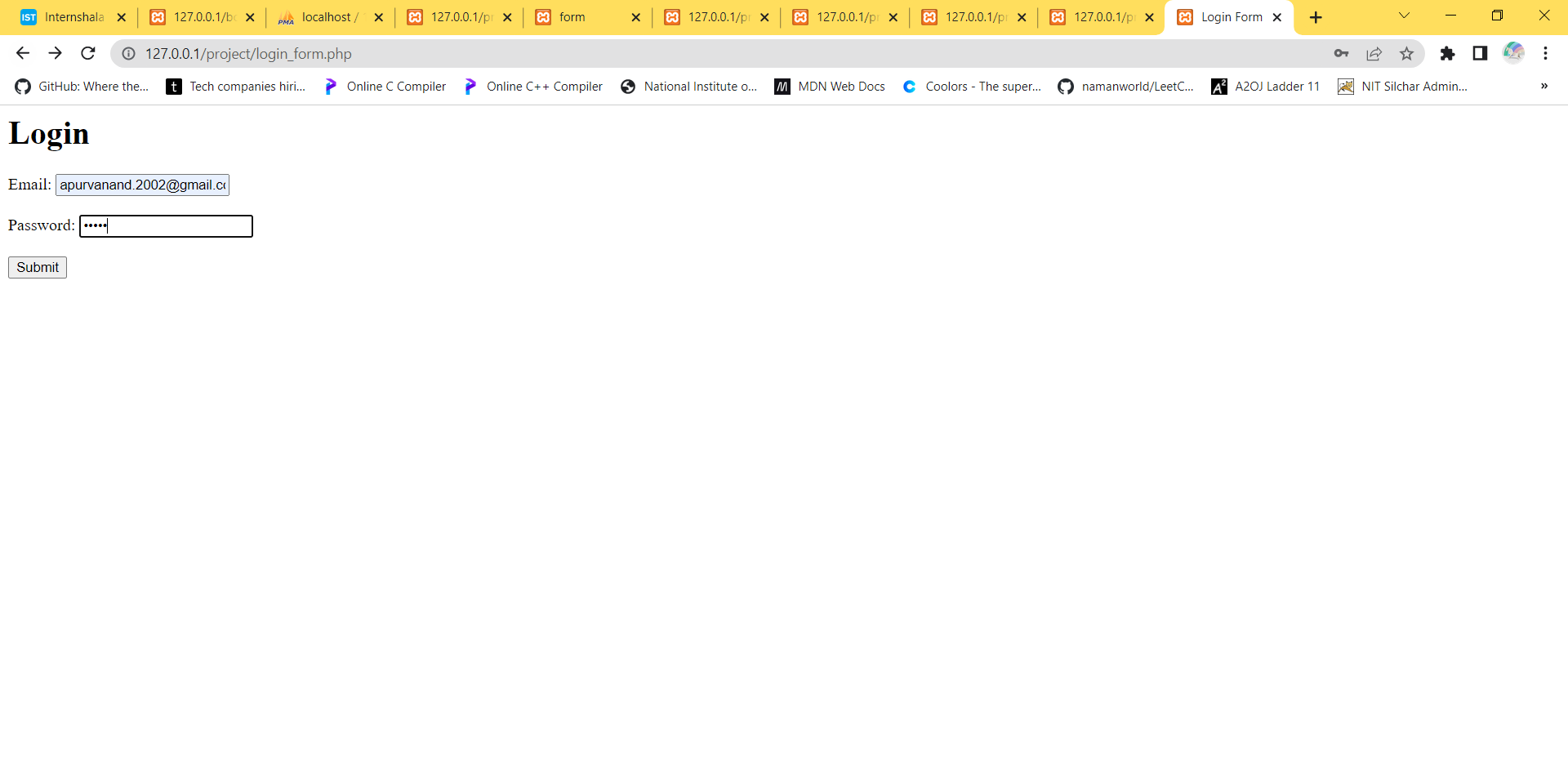
    }

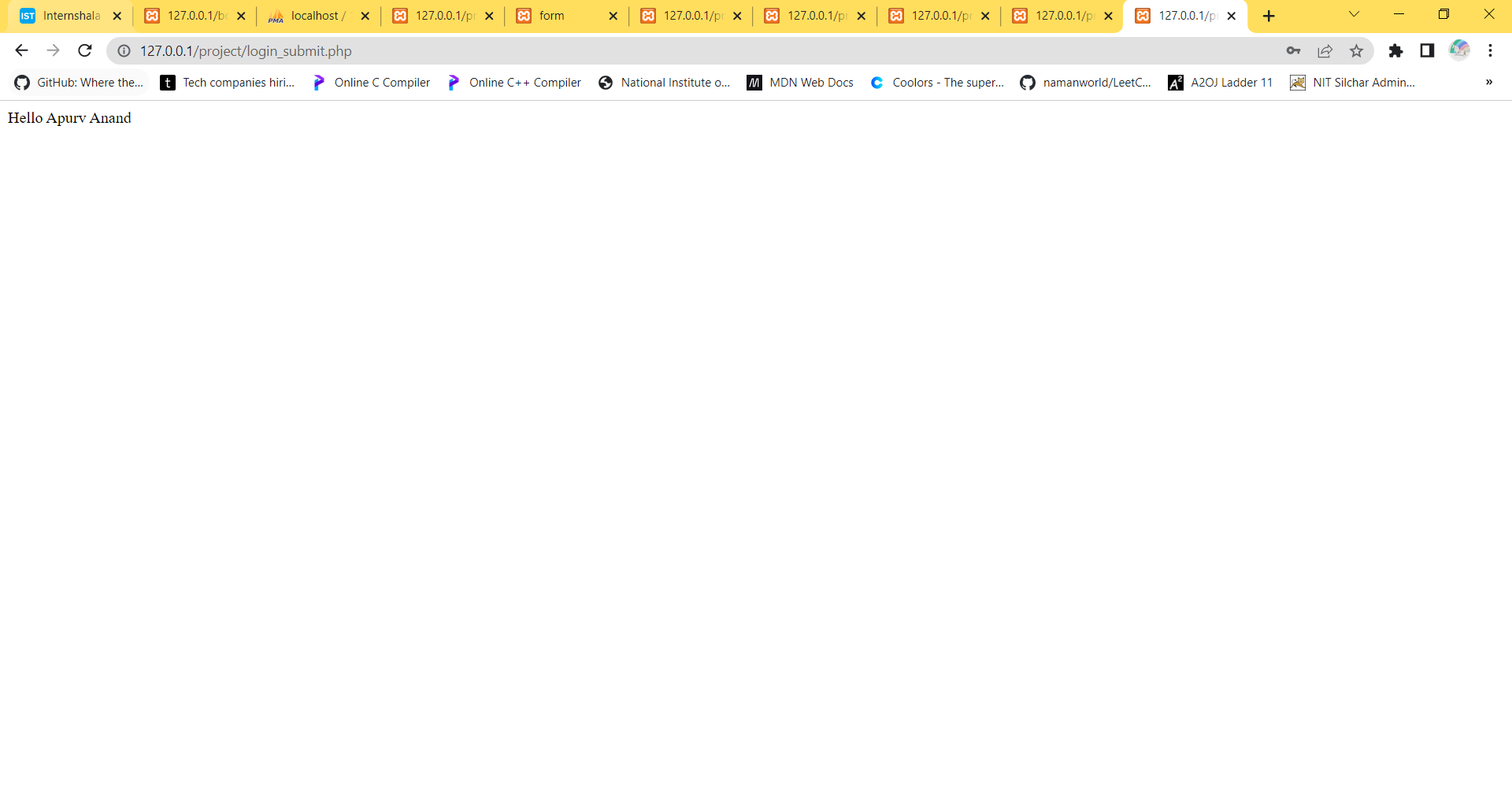
    mysqli\_close($conn);

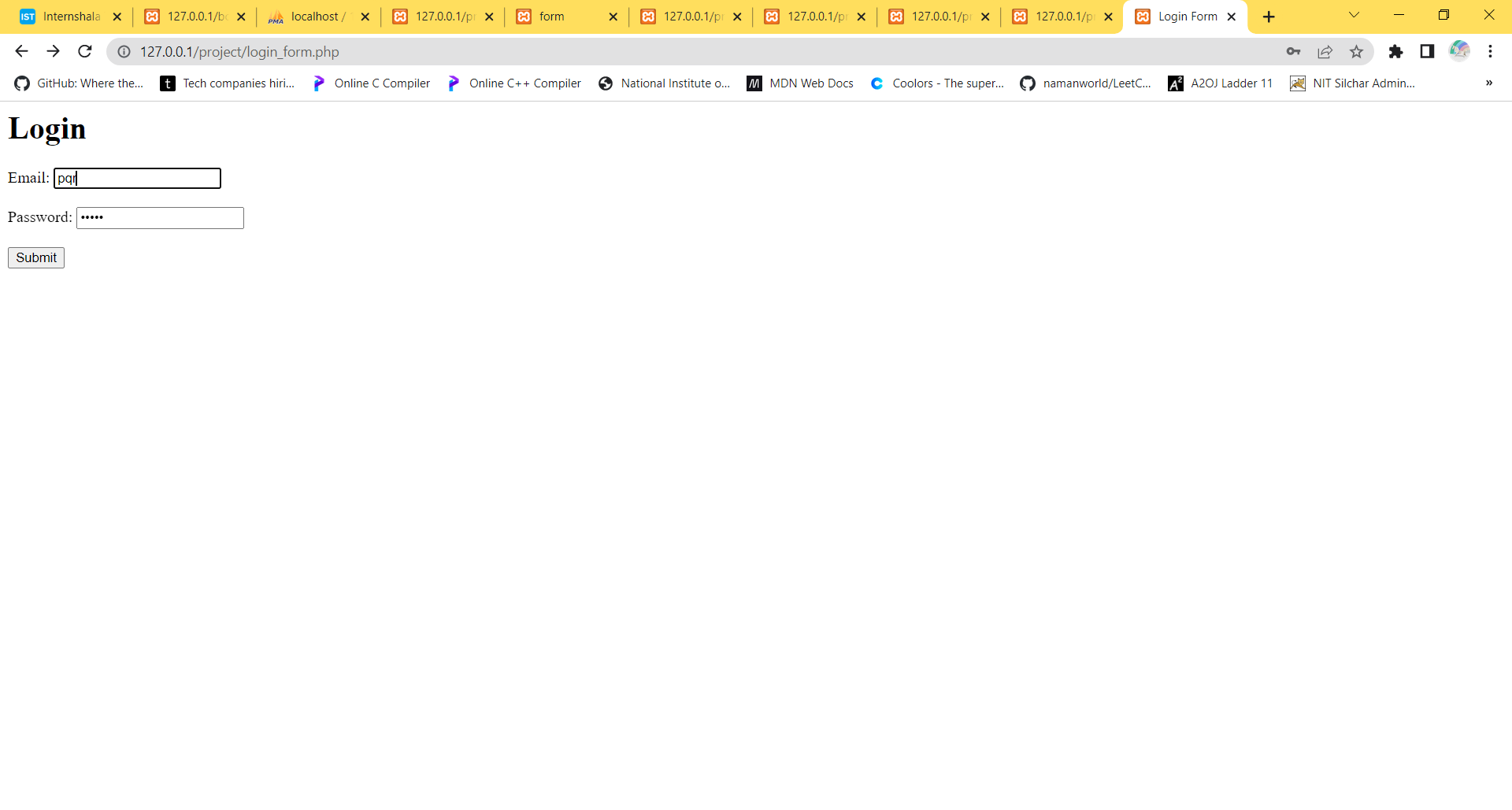
?>

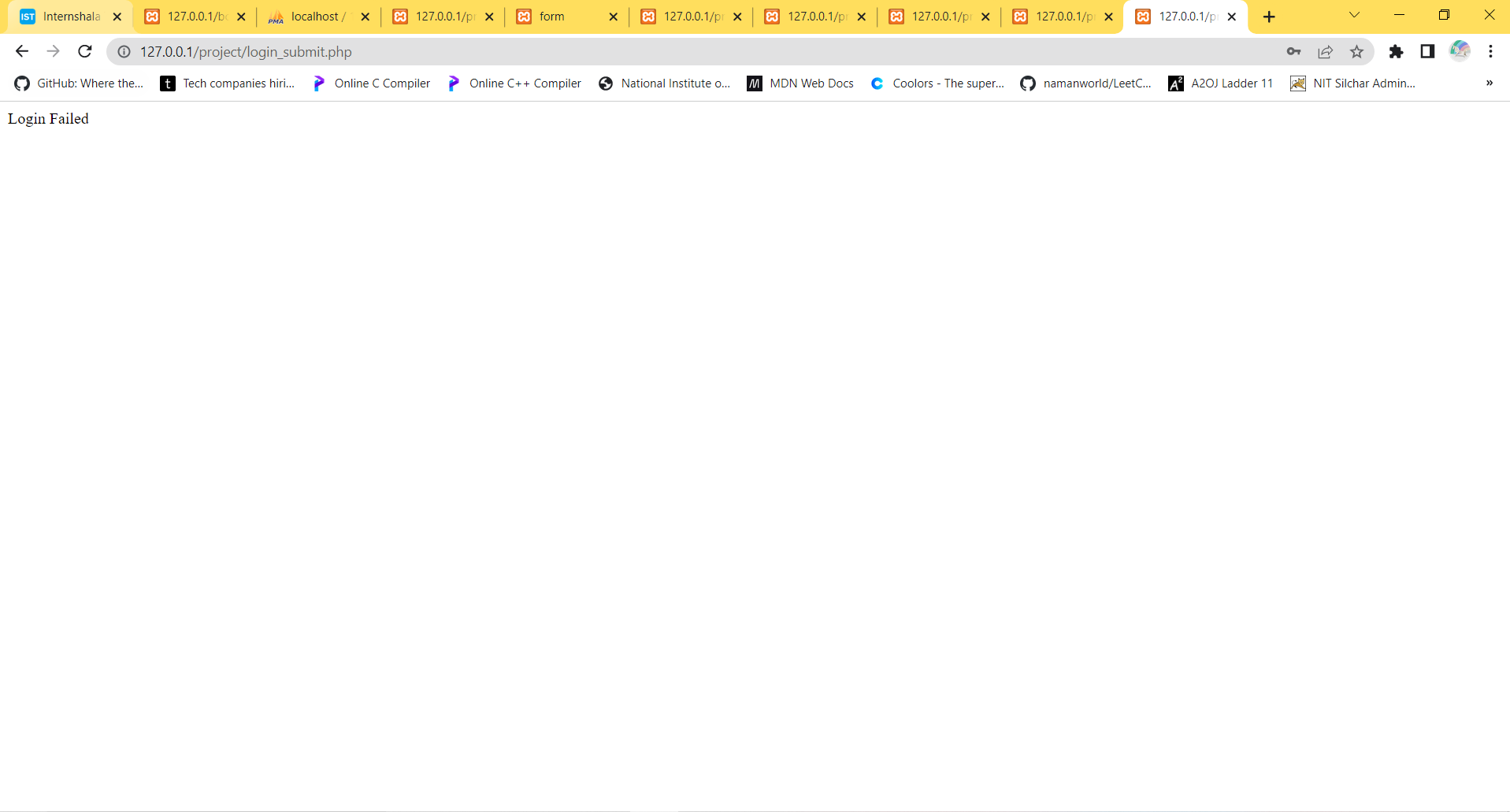
//AGAIN note different ways of writing ‘Name’ and ‘name’ at different places.

**OUTPUT:**









**TO ADD A LINK USE THIS:**

<?php

    $db\_hostname = "127.0.0.1";

    $db\_username = "root";

    $db\_password = "";

    $db\_name = "test";

    $conn = mysqli\_connect($db\_hostname, $db\_username, $db\_password, $db\_name);

*if* (!$conn) {

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

*exit*;

    }

    $email=$\_POST['email'];

    $password=$\_POST['password'];

    $sql = "SELECT \* FROM users WHERE email='$email' AND password='$password'";

    $result = mysqli\_query($conn, $sql);

*if* (!$result) {

        echo "Error: " . mysqli\_error($conn);

*exit*;

    }

    $row = mysqli\_fetch\_assoc($result);

*if* ($row) {

        echo "Hello " . $row['Name'] . "<br/>";

        ?>

        <a href="https://www.google.co.in/">CLICK HERE</a>;

        <?php

    } *else* {

        echo "Login Failed<br/>";

    }

    mysqli\_close($conn);

?>

NOTE that we have included anchor tag after closing php file and openes php file again after anchor tag.

SEE THIS PART:

*if* ($row) {

        echo "Hello " . $row['Name'] . "<br/>";

        ?>

        <a href="https://www.google.co.in/">CLICK HERE</a>;

        <?php

    } *else* {

        echo "Login Failed<br/>";

    }

**COOKIE:**

**Cookie is a small piece of information stored on the browser of user using some code.**



**COOKIE is also a super global variable.**



**Cookie information is stored in key-value pairs.**

**We have to send a user to his dashboard after the login but after login , we generate a new http request for the user’s dashboard and in this request , no information is sent , hence, browser will not be able to know whose dashboard it is. Hence, for some time we store user’s information on the browser using some code called as cookie using setcookie() function defined above.**

**Login\_submit.php** using cookie to direct the user to his dashboard is as follows:

<?php

    $db\_hostname = "127.0.0.1";

    $db\_username = "root";

    $db\_password = "";

    $db\_name = "test";

    $conn = mysqli\_connect($db\_hostname, $db\_username, $db\_password, $db\_name);

*if* (!$conn) {

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

*exit*;

    }

    $email=$\_POST['email'];

    $password=$\_POST['password'];

    $sql = "SELECT \* FROM users WHERE email='$email' AND password='$password'";

    $result = mysqli\_query($conn, $sql);

*if* (!$result) {

        echo "Error: " . mysqli\_error($conn);

*exit*;

    }

    $row = mysqli\_fetch\_assoc($result);

*if* ($row) {

        echo "Hello " . $row['Name'] . "<br/>";

        setcookie("Name",$row['Name'],time()+3600); *//corresponding to record of the table*

        ?>

        <a href="dashboard.php">CLICK HERE</a>;

        <?php

    } *else* {

        echo "Login Failed<br/>";

    }

    mysqli\_close($conn);

?>

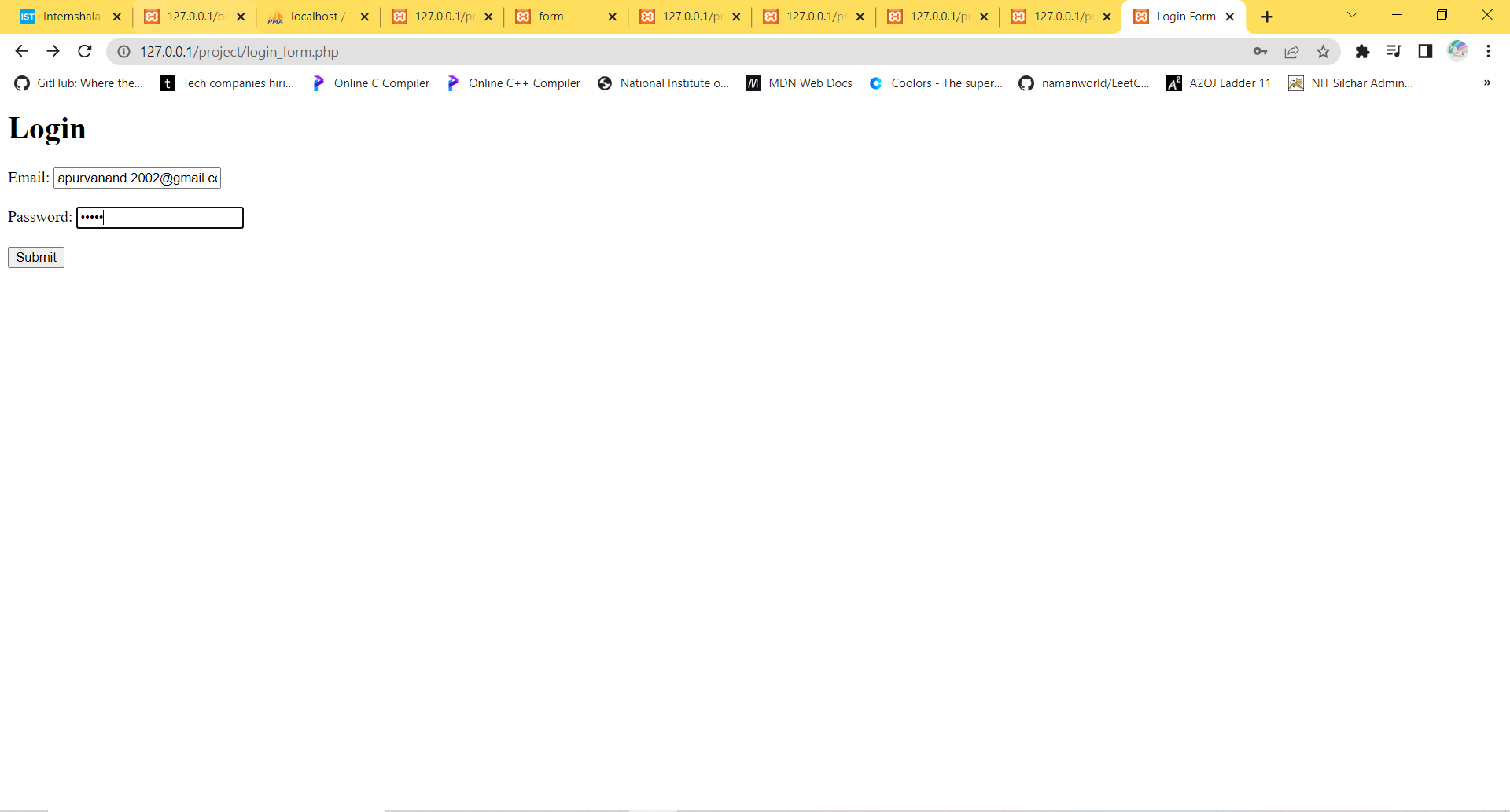
Dashboard.php:

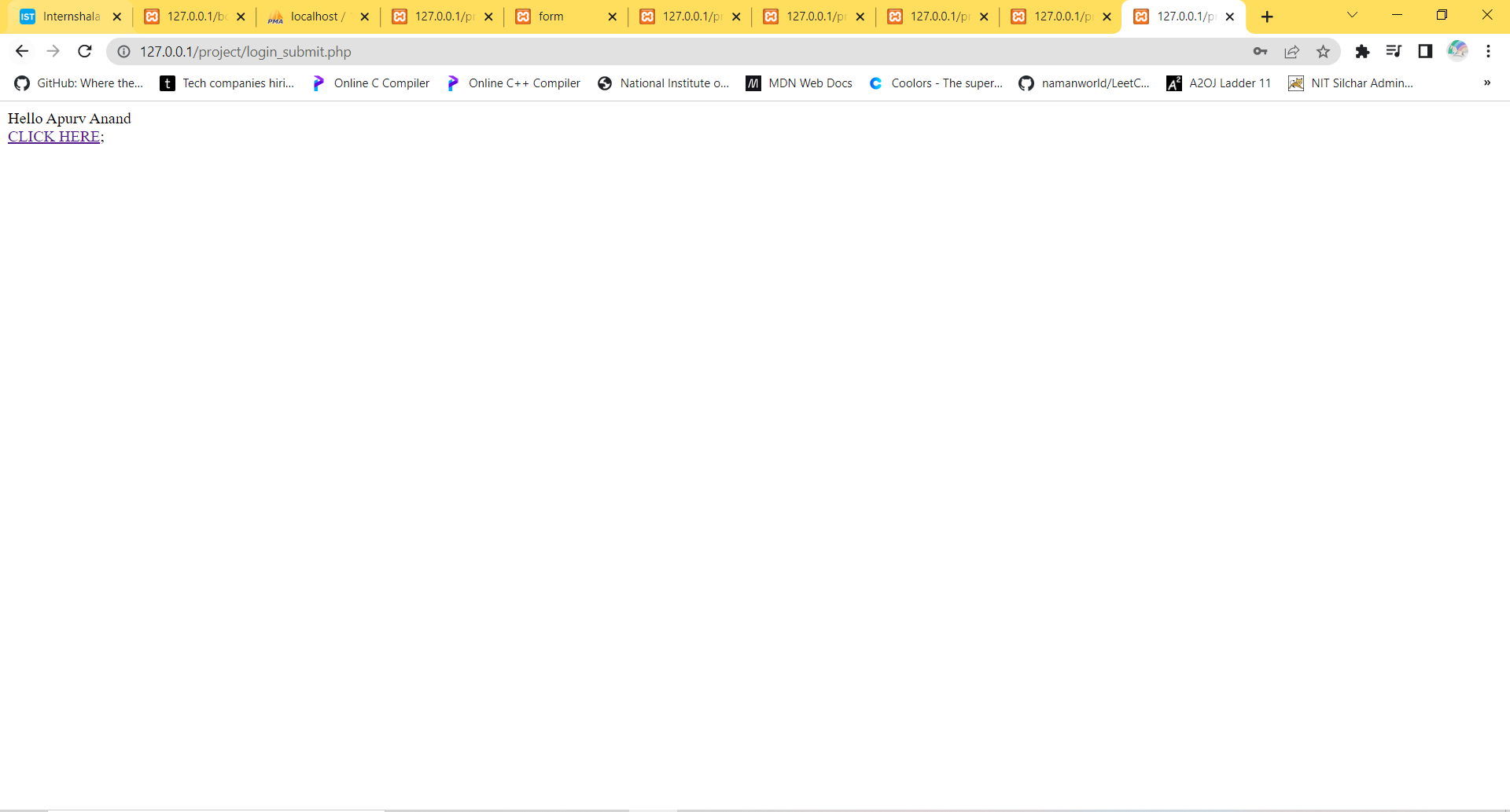
<?php

$name=$\_COOKIE['Name'];

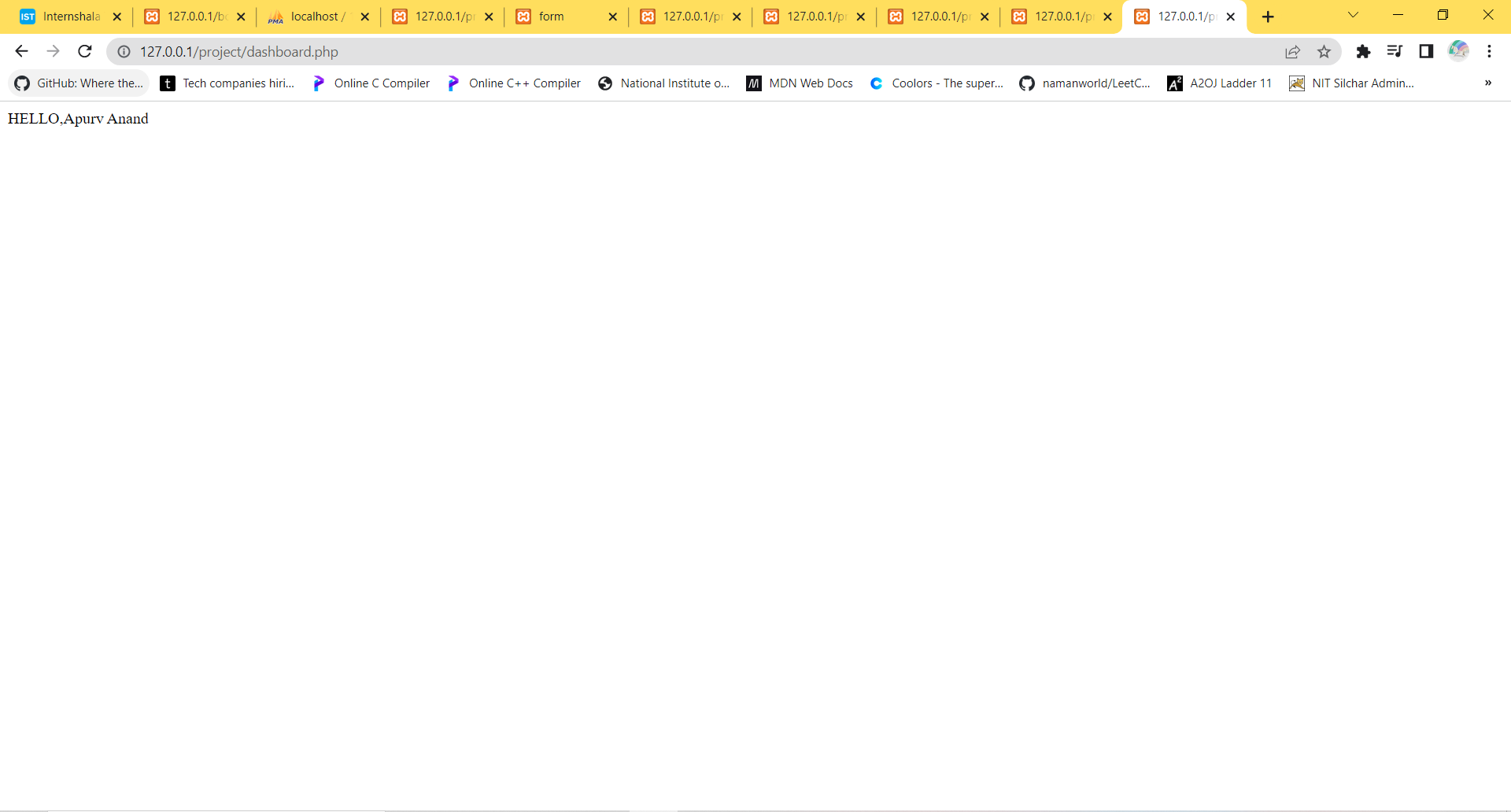
echo "HELLO,".$name;

?>





On clicking **CLICK HERE** :

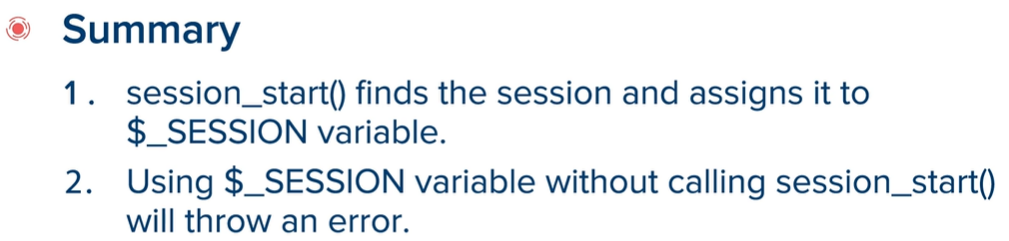


**Cookie is used to store non-critical information. As cookies is stored on browser a user can edit his cookies to view others information which may be private as well , hence, most of good websites don’t use cookies.**

**Sessions are used instead of cookies. As sessions are also stored on server but sessions ids have long alpha-numeric texts ,so, a user will not be able to impersonate others like general cookies information. Actually session id(PHPSESSID) cookie is stored in browser, so, whenever later on whenever user sends http request , sessions id is also sent to web server and then web server user session id uses it to assign whatever it contains to assign to $\_SESSION super global variable.**

**TO start sessions:**





**session\_start() is always to be written at the beginning of each file so, that either will fetch the previous session id i.e. PHPSESSID cookie if the user had visited that website before or if it’s the first time , user has visited the website then it will create a new PHPSESSID long alpha-numeric cookie on user’s browser.**

Login\_submit.php :

<?php

    session\_start();

    $db\_hostname = "127.0.0.1";

    $db\_username = "root";

    $db\_password = "";

    $db\_name = "test";

    $conn = mysqli\_connect($db\_hostname, $db\_username, $db\_password, $db\_name);

*if* (!$conn) {

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

*exit*;

    }

    $email=$\_POST['email'];

    $password=$\_POST['password'];

    $sql = "SELECT \* FROM users WHERE email='$email' AND password='$password'";

    $result = mysqli\_query($conn, $sql);

*if* (!$result) {

        echo "Error: " . mysqli\_error($conn);

*exit*;

    }

    $row = mysqli\_fetch\_assoc($result);

*if* ($row) {

        echo "Hello " . $row['Name'] . "<br/>";

        $\_SESSION['Name']=$row['Name'];

*//It will automatically generate cookie called PHPSESSID.*

*//thats why we comment below line of code, we used earlier to make cookie.*

*// setcookie("Name",$row['Name'],time()+3600); //corresponding to record of the table*

        ?>

        <a href="dashboard.php">CLICK HERE</a>;

        <?php

    } *else* {

        echo "Login Failed<br/>";

    }

    mysqli\_close($conn);

?>

Dashboard.php :

<? <?php

session\_start();

*if*(isset($\_SESSION['Name'])){

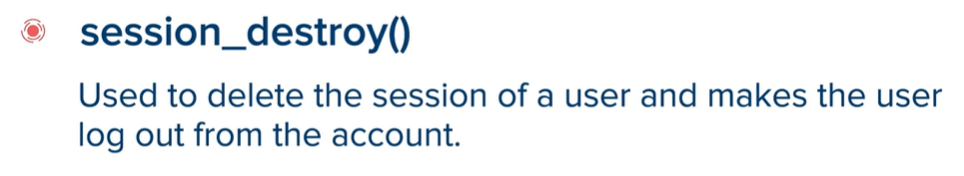
$name=$\_SESSION['Name'];

echo "HELLO,".$name;

}

?>

Output is same as we got in case of **COOKIE.**



SO, session\_destroy() is used to logout.

Logout.php :

<?php

session\_start();

session\_destroy();

?>