EX-NO:1

DATE:30/08/2023

USER LOGIN AND REGISTRATION SYSTEM USING HTML,CSS,PHP AND XAMPP SERVER

AIM:

To build a login and registration form application using HTML,CSS,XAMPP and PHP.

TECHNOLOGIES USED:

HTML: Structure of the web pages.

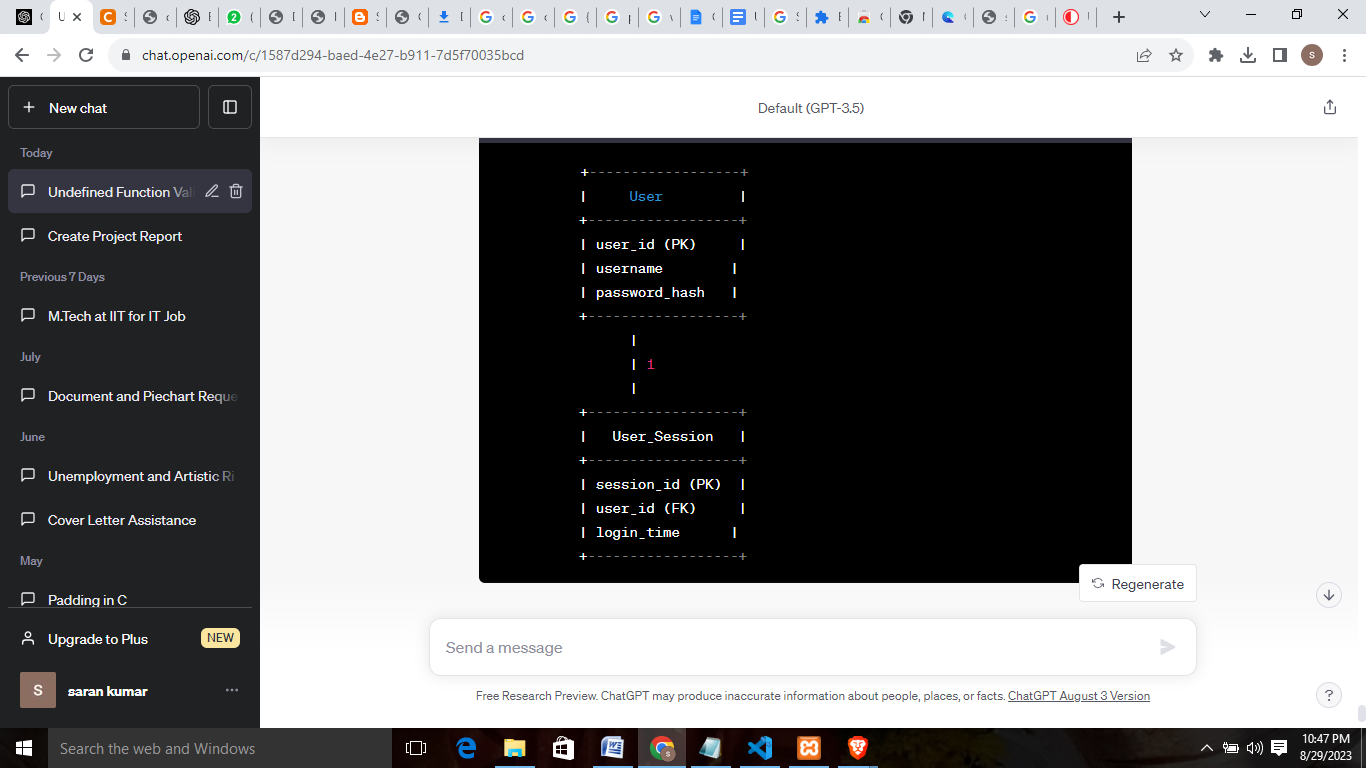
CSS: Styling and layout of the web pages.

PHP: Handling server-side logic and database interactions.

XAMPP:A local server environment that includes Apache, MySQL and PHP.

EDITOR: VS Code

Er-DIAGRAM:



USER-CASE DIAGRAM:



OBJECTIVE:

The Objective of the "User Login and Registration System" project is to develop a secure and user-friendly web-based authentication system using HTML, CSS, and PHP technologies.

Implementations:

Steps:

1. Installation and Setup

Install XAMPP: Download and install XAMPP from the official website (https://www.apachefriends.org/index.html) .

Start Apache and MySQL: Open XAMPP Control Panel and start the Apache and MySQL services.

2. Create Project Directory

Create a project folder named "notes" inside the "htdocs" directory of XAMPP

1. Frontend and Backend Development (codes):

Index.php

<!DOCTYPE html>

<html>

<head>

    <title>Login</title>

    <link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

    <div class="login-container">

        <h2>Login</h2>

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

            <label for="username">Username:</label>

            <input type="text" id="username" name="username" required>

            <label for="password">Password:</label>

            <input type="password" id="password" name="password" required>

            <button type="submit">Login</button>

        </form>

    </div>

</body>

</html>

Style.css

body {

    font-family: Arial, sans-serif;

    background-color: #f0f0f0;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    margin: 0;

}

.login-container {

    background-color: #ffffff;

    border: 1px solid #ccc;

    padding: 20px;

    border-radius: 5px;

    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);

    width: 300px;

}

h2 {

    margin-bottom: 20px;

}

label {

    display: block;

    margin-bottom: 5px;

}

input {

    width: 100%;

    padding: 10px;

    margin-bottom: 10px;

    border: 1px solid #ccc;

    border-radius: 3px;

}

button {

    background-color: #007bff;

    color: #fff;

    border: none;

    padding: 10px 15px;

    border-radius: 3px;

    cursor: pointer;

}

button:hover {

    background-color: #0056b3;

}

Register.php:

<!DOCTYPE html>

<html>

<head>

    <title>Register</title>

    <link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

    <div class="register-container">

        <h2>Register</h2>

        <form action="register\_process.php" method="post">

            <div class="input-group">

                <label for="username">Username:</label>

                <input type="text" id="username" name="username" required>

            </div>

            <div class="input-group">

                <label for="password">Password:</label>

                <input type="password" id="password" name="password" required>

            </div>

            <button type="submit">Register</button>

        </form>

    </div>

</body>

</html>

Register Process.php

<?php

session\_start();

include "db\_con.php";

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

    if (isset($\_POST['username']) && isset($\_POST['password'])) {

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

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

        // Perform database insert

        $sql = "INSERT INTO users1 (user\_name, password) VALUES ('$username', '$password')";

        if (mysqli\_query($conn, $sql)) {

            $\_SESSION['message'] = 'Registration successful. You can now log in.';

            header("Location: index.php");

            exit();

        } else {

            $\_SESSION['message'] = 'Registration failed. Please try again.';

            header("Location: register.php");

            exit();

        }

    }

}

?>

Login.php

<?php

session\_start();

include "db\_con.php";

// Simulated user credentials

$valid\_username = 'user\_name';

$valid\_password = 'password';

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

    $username = $\_POST['username'];

    $password = $\_POST['password'];

    $sql = "SELECT \* FROM users1 WHERE user\_name='$username' AND password='$password'";

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

    // if ($username === $valid\_username && $password === $valid\_password) {

        if (mysqli\_num\_rows($result) === 1) {

        $\_SESSION['username'] = $username;

        header('Location: welcome.php');

        exit();

    } else {

        $error\_message = 'Invalid username or password';

    }

}

?>

<!DOCTYPE html>

<html>

<head>

    <title>Login</title>

    <link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

    <div class="login-container">

        <h2>Login</h2>

        <?php

        if (isset($error\_message)): ?>

            <p class="error"><?php echo $error\_message; ?></p>

        <?php endif; ?>

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

            <label for="username">Username:</label>

            <input type="text" id="username" name="username" required>

            <label for="password">Password:</label>

            <input type="password" id="password" name="password" required>

            <button type="submit">Login</button>

        </form>

        <h4>do you have no account  <a href='register.php'>register here</a></h4>

    </div>

</body>

</html>

Welcome.php

<?php

session\_start();

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

    header('Location: index.php');

    exit();

}

?>

<!DOCTYPE html>

<html>

<head>

    <title>Welcome</title>

    <link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

    <div class="login-container">

        <h2>Welcome, <?php echo $\_SESSION['username']; ?></h2>

        <p>You have successfully logged in.</p>

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

    </div>

</body>

</html>

Logout.php

<?php

session\_start();

session\_unset();

session\_destroy();

header('Location: index.php');

exit();

?>

Db\_con.php

<?php

$sname = "localhost";     // Change this if your MySQL server is running on a different host

$uname = "root";          // MySQL username

$password = "";           // MySQL password

$db\_name = "test\_db";     // Your database name

$conn = mysqli\_connect($sname, $uname, $password, $db\_name);

if (!$conn) {

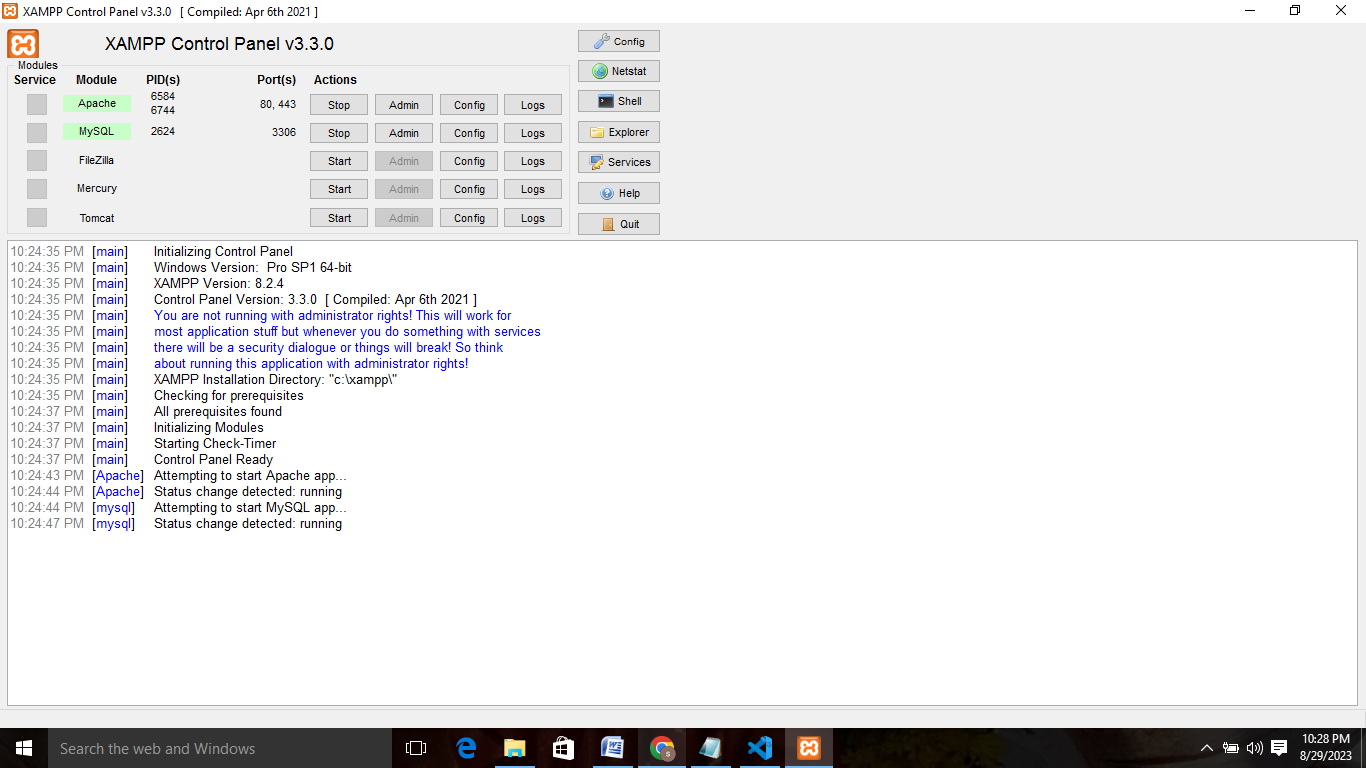
    die("Connection failed: " . mysqli\_connect\_error());

}

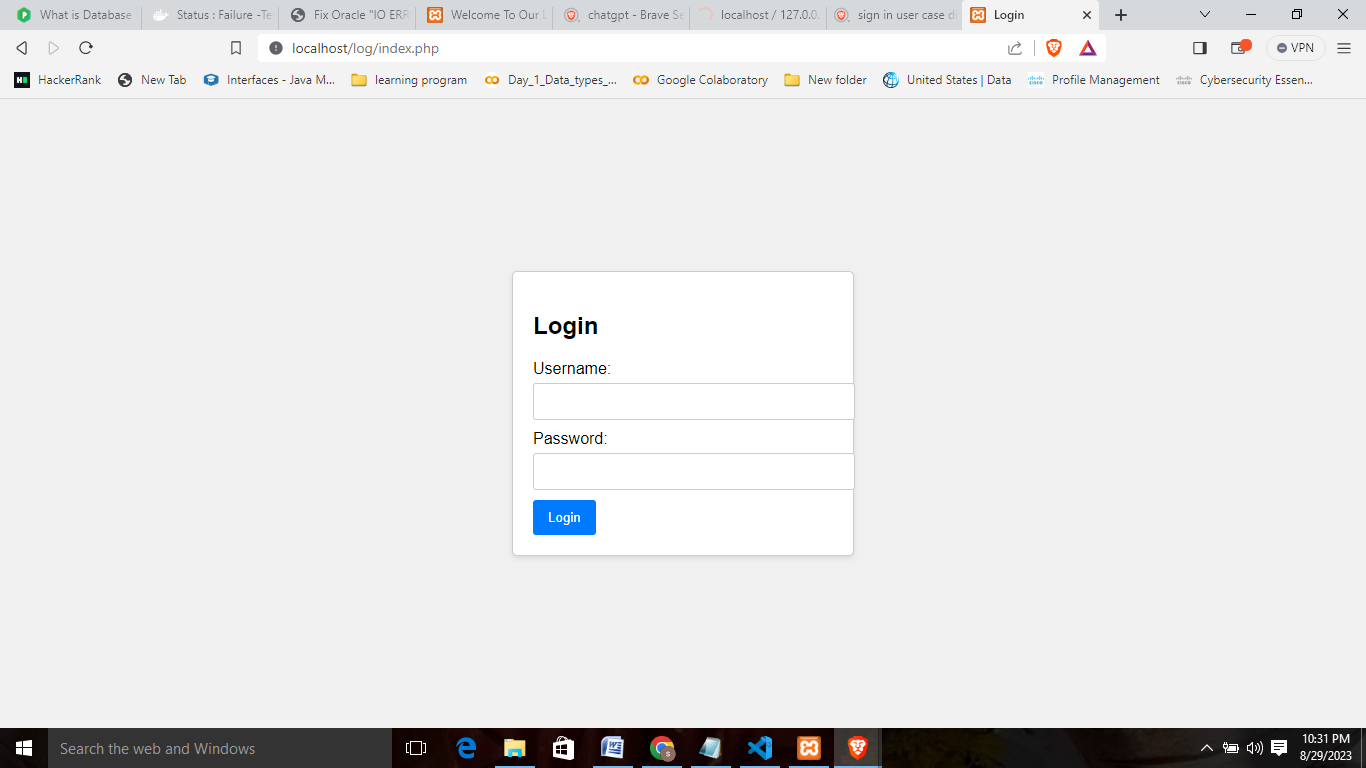
?>

OUTPUTS:

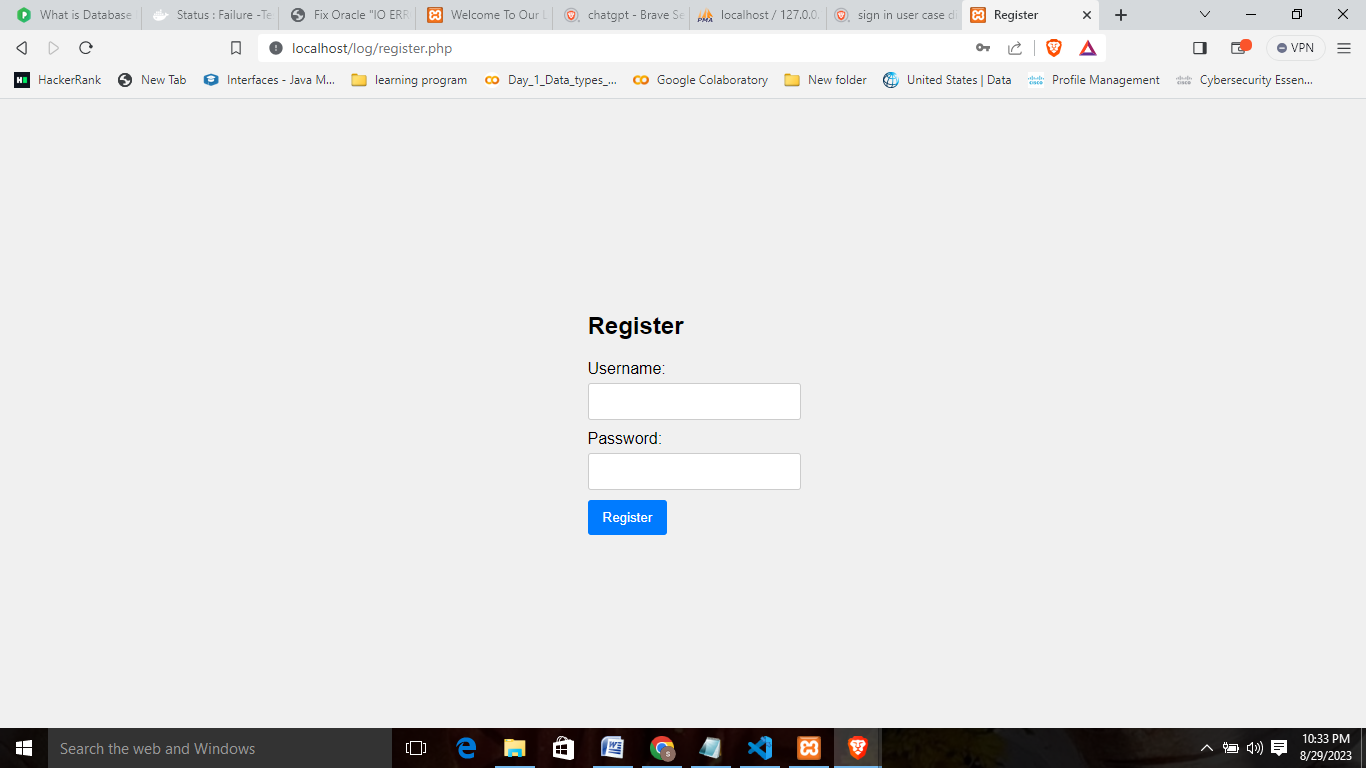
1.XAMPP SERVER



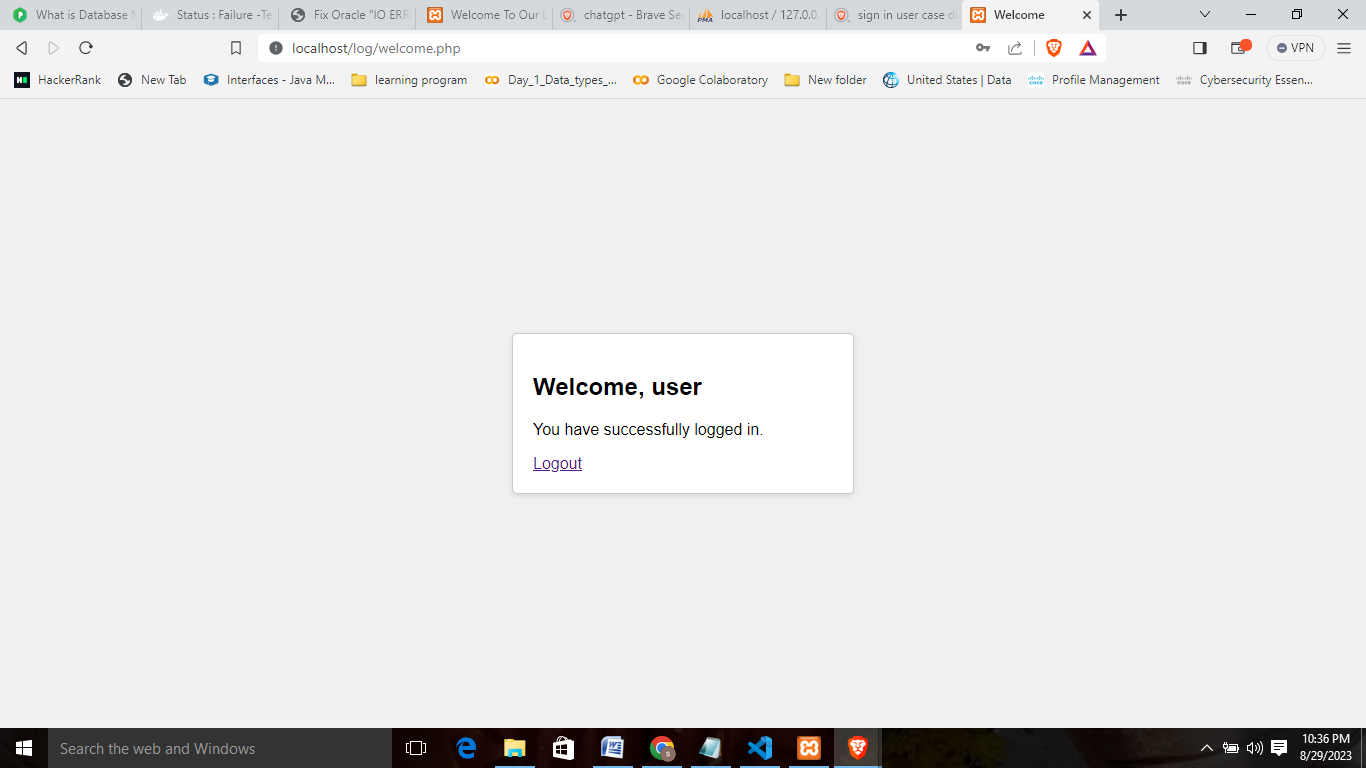
2.LOGIN PAGE:`

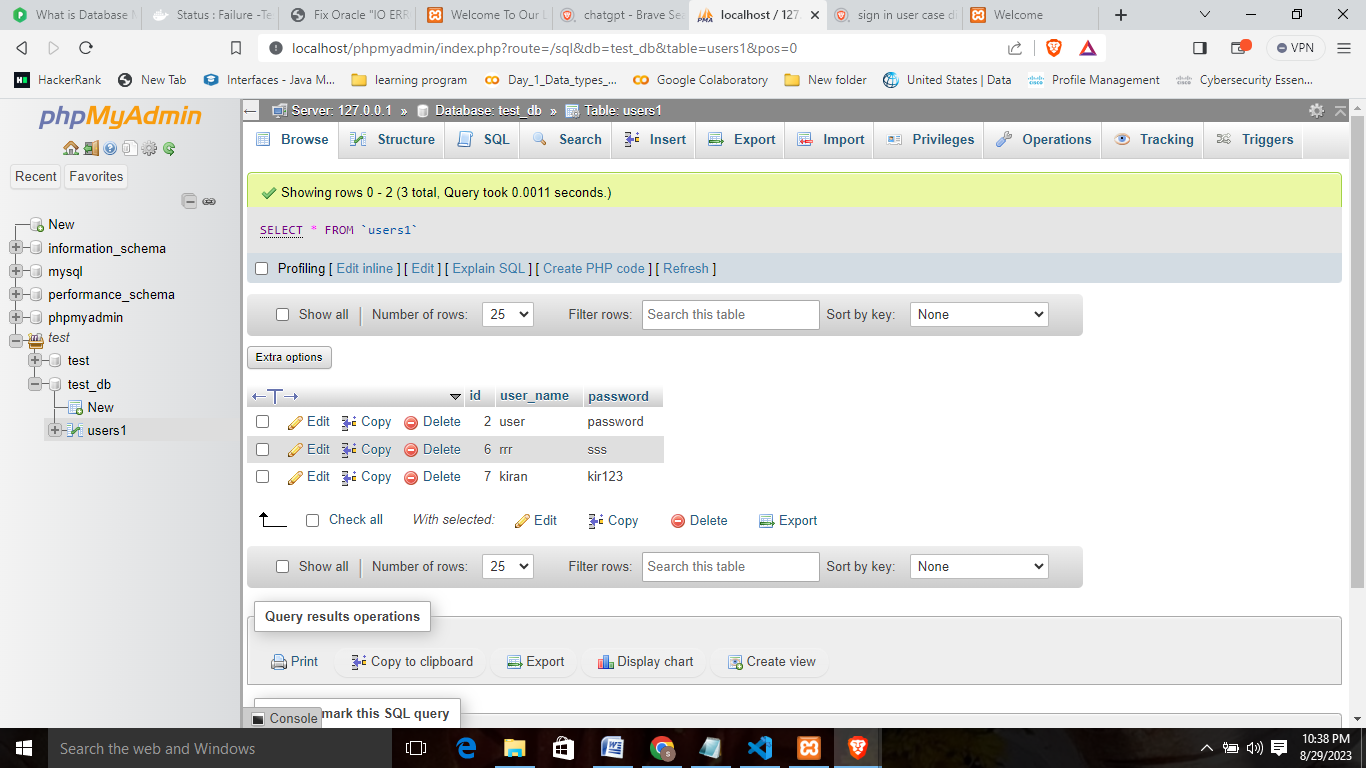


3.REGISTER:



4.WELCOME PAGE:

  
5.XAMPP DATABASE:



RESULT:

The user login and registration system project successfully demonstrates the implementation of a secure and user-friendly authentication system using HTML, CSS, and PHP technologies