**Program to implement a login form where users enter their username and password. Validate the credentials against data stored in a MySQL database and grant access if they are correct.**

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**//Create database**

CREATE DATABASE user\_details;

USE user\_details ;

CREATE TABLE user(

username VARCHAR(10) ,

password VARCHAR(10));

**index.html**

<html>

<head>

<title>login form</title>

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

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

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

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

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

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

</form>

</body>

</html>

**login.php**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "user\_details";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

function sanitize($data) {

return htmlspecialchars(stripslashes(trim($data)));

}

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

$username = sanitize($\_POST["username"]);

$password = sanitize($\_POST["password"]);

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

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

echo "Login successful!";

} else {

echo "Invalid username or password.";

}

}

$conn->close();

?>