Heritage University 02-05-24

Mathematics and Computer Science Dept. due: 02-11-24

Database II

Homework 3

*(PHP, MYSQL, XAMPP)*

1.Create a database: userdb with a table : userinfo .

userinfo: 'ID'.' '.'Name'.' '.'User'.' '.'Pass'.'

ID(3),Name(10),User(10),Pass(20).

Process:

a.create the database, the table and the data insertion with XAMPP

b.print the data by using PHP script (readuser.php)

**TABLE CREATION:**

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**CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Read Users</title>

</head>

<body>

<?php

//prints title of page

echo '<h1 align="center">Registered Users</h1>';

//make connection to database

$dbc = @mysqli\_connect('localhost', 'root', '', 'userdb', '3306');

//make the query

$query = "SELECT \* FROM userinfo";

//run the query

$result = @mysqli\_query($dbc, $query);

// only runs if there is result from query

if ($result){

// creates table header

echo '<table align="center" width=”60%”>

<thead>

<tr align=center>

<th align=”center”>ID</th>

<th align=”center”>Name</th>

<th align=”center”>User</th>

<th align=”center”>Pass</th>

</tr>

</thead>

<tbody>';

//fetch and display all data in tables

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

echo '<tr><td align="center">' . $row['ID'] .

'</td><td align="center">' . $row['Name'] .

'</td><td align="center">' . $row['User'] .

'</td><td align="center">' . $row['Pass'] .

'</td></tr>';

}

//close the table

echo '</tbody><table>';

//free up the resources

mysqli\_free\_result($result);

} else { //if there is no result

// Public message with debugginning me

echo '<p class="error">The current users could not be retrived. We apologize for any inconvenience.</p>';

echo '<p>' . mysqli\_error($dbc) . '<br><br>Query: ' . $query . '</p';

}

//close the database connection.

mysqli\_close($dbc);

?>

</body>

</html>

**OUTPUT:**

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2. Create a prepared statement script (prepnames.php) for database: “namesdb” and table “namestb”.

namestb(fname,lname,job). You can use form to insert data.

You can use XAMPP and screenshot where it is needed.

DATA(fname,laname,job)

paul lagush worker

ann marchis writer

geff hasher programmer

**CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Read Users</title>

</head>

<body>

<?php

$errors = []; // Initialize an empty array to store errors

// Create the databse connection

$dbc = @mysqli\_connect("localhost", 'root', '', 'namesdb');

//Check connection

if (!$dbc) {

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

}

// If form is submitted

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

// Check if empty of each part of form

if (empty($\_POST['fname'])) {

$errors[] = "First name is required";

}

if (empty($\_POST['lname'])) {

$errors[] = "Last name is required";

}

if (empty($\_POST['job'])) {

$errors[] = "Job is required";

}

// If there are no errors, proceed with insertion

if (empty($errors)){

$stmt = mysqli\_prepare($dbc, "INSERT INTO namestb (fname, lname, job) VALUES (?, ?, ?)");

// Bind parameters

mysqli\_stmt\_bind\_param($stmt, "sss", $fname, $lname, $job);

// Set parameters and execute

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

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

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

if (mysqli\_stmt\_execute($stmt)) {

echo "New record inserted successfully</br>";

echo 'Last Executed Statement:</br></br>

<strong>INSERT INTO namestb (fname, lname, job) VALUES ('.$fname. ", ". $lname .", ".$job.');</strong>';

} else {

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

}

// Close statement

mysqli\_stmt\_close($stmt);

}

}

// Fetch and display all the records

$query = "SELECT fname, lname, job FROM namestb";

$result = mysqli\_query($dbc, $query);

if (mysqli\_num\_rows($result) > 0) {

echo "<h2>Records:</h2>";

echo "<ul>";

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

echo "<li>" . $row["fname"] . " " . $row["lname"] . " - " . $row["job"] . "</li>";

}

echo "</ul>";

} else {

echo "0 results";

}

// Display errors from NULL values

if (!empty($errors)) {

echo "<h3>Error List:</h3>";

echo "<ul>";

foreach ($errors as $error) {

echo "<li>$error</li>";

}

echo "</ul>";

}

// Close connection

mysqli\_close($dbc);

?>

<h1>Register</h1>

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

<p>First Name: <input type="text" id="fname" name="fname" size="15" maxlength="20"></p>

<p>Last Name: <input type="text" id="lname" name="lname" size="20" maxlength="60"></p>

<p>Job: <input type="text" id="job" name="job" size="15" maxlength="60"></p>

<p><input type="submit" name="Submit" value="Register"></p>

</form>

</body>

</html>

**OUTPUT:**A screenshot of a computer

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3.Create a database: mydb with a table : “messages” with attributes: name, message

a.Create the database, the table with XAMPP

b.insert data with PHP script (addmessage.php)

1. **CREATE DB, TABLE**

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**B. CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Read Users</title>

</head>

<body>

<?php

$errors = []; // Initialize an empty array to store errors

// Create the databse connection

$dbc = @mysqli\_connect("localhost", 'root', '', 'mydb');

//Check connection

if (!$dbc) {

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

}

// If form is submitted

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

// Check if empty of each part of form

if (empty($\_POST['name'])) {

$errors[] = "name is required";

}

if (empty($\_POST['message'])) {

$errors[] = "message is required";

}

// If there are no errors, proceed with insertion

if (empty($errors)){

$stmt = mysqli\_prepare($dbc, "INSERT INTO messages (name, message) VALUES (?, ?)");

// Bind parameters

mysqli\_stmt\_bind\_param($stmt, "ss", $name, $message);

// Set parameters and execute

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

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

if (mysqli\_stmt\_execute($stmt)) {

echo "New record inserted successfully</br>";

} else {

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

}

// Close statement

mysqli\_stmt\_close($stmt);

}

}

// Close connection

mysqli\_close($dbc);

?>

<h1>Register</h1>

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

<p>Name: <input type="text" id="name" name="name" size="15" maxlength="20"></p>

<p><label>Comments: <textarea

name="message" rows="3"

cols="40"></textarea></label></p>

<p><input type="submit" name="Submit" value="Register"></p>

</form>

</body>

</html>

**OUTPUT:**

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4.Create a database: “people” with table:”person” (name,address,email) with XAMPP.

|  |  |  |
| --- | --- | --- |
| name | address | email |
| peter | 123 blue str | peter@gt.com |
| paul | 456 white str | paul@gt.com |
| mary | 789green str | mary@gt.com |

The design of data will have the ability to avoid the duplicates. All the work will be done with XAMPP tool.

*Output*: the screenshot ( for database, table and data).

**OUTPUT:**

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