

## Lab 6 - PHP & SQL Practice

**Due:** November 21, 2016 at 11:59 PM

**Value:** 2% + 0.5% Bonus

**Purpose:** To practice writing PHP and SQL

### Submission:

For this lab, you need to submit the lastname\_firstnamelab6.php, updated with your work and name.

A database export is not required for this lab.

### Set Up:

Open the lab6.sql file. Navigate to phpmyadmin. From the homepage, run the SQL script. This will create a new lab6 database containing tblUsers and tblOrders. Use the "structure" tab to view the structure of the database. You will need to give one of your users permission to access the database.

Your lab must work with this exact database structure. It may not be edited or altered in any way.

Place lastname\_firstnamelab6.php in your web root. Rename the file with your own name. Complete the following practice work in your file. This should be a one-step form; ie the user only needs to fill out one form in one view. This will automatically populate BOTH tables. This should NOT be on multiple pages or in multiple files. This is the only file you need to submit.

### Instructions:

1. Write the code to connect to the database and save the connection to variable \$conn. You may either include connect.php or write the code directly in the file. You do not need to submit connect.php if you choose that method.
2. Write the code to insert the appropriate data into the tblUsers table, with values coming from the form.
3. Save the insert ID from step 2 in a variable.
4. Write the code to insert the appropriate data into the tblOrders table, with values coming from the form. Calculate the "total" column with price \* quantity. Use the insert ID from Step 3 as the userID.

5. If user creation fails (bad SQL, username too long, etc), DO NOT insert the order. You may want to accomplish this by ensuring the user insert ID is greater than 0 before running the order insert code.
6. If there is an error in the user creation, print out an error message.
7. If there is an error in user creation, print the submitted data back into the form.
8. Add the code to ensure that the SQL queries only run if the form has been submitted. It should not run the first time it is loaded.
9. Add the code to ensure that the SQL queries only run if all 5 fields have been filled out. If any fields are missing, print a single error message and re-populate the fields with the user's data.

**Bonus (0.5%):** If the email address already exists in the database, insert only the order data (item, price, qty, total) and link it to the existing user.

**Marks will be deducted for any notices or errors. Please ensure you have error reporting turned on.**