phase03 - SAS Database

There are two sections to this assignment.

1. Code the LinkedIn/Learning database connection.
2. Apply the same technique from LinkedIn/Learning to your SAS application.

Objectives

What makes this chapter exciting is that you will use many of the concepts you have already learned and you will need to make them work together for a more robust application.

- **if** statements
- **while** loops
- functions and functions calling functions
- validation
- **include_once** statements
- associative arrays
- database creation
- writing queries

Part 1 - LinkedIn/Learning

*NOTE: You will not turn in the LiL chpater 5 and 6 work but you will need to understand these concepts in order to build the **sas** part of this assignment.*

In this section you will watch chapters 5 and 6 from the video series titled **PHP with MySQL Essential Training**.

Chapter 5

Most of chapter 5 is review from what you learned in chapter 14 of your text. However, it is worth watching especially if you are interested in using the terminal

Chapeter 6

Chapter 6 builds on what you learned in in chapter 14 or your text and, of course, the chapter 5 video tutorial. You will join together a lot of concepts. You will need all of these concepts when you adapt the Globe Bank to your SAS project.

Setup

I'm using 'lil' for LinkedIn/Learning

- Create a new folder called `web182/phase03/lil-database`
- Follow along with the author's instructions.

PHPMyAdmin or CLI (Command Line Interface)

The author uses CLI to build the Globe Bank database. You can follow his lead or use the SQL tab in PHPMyAdmin.

Complete the challenge

This will help reinforce the concepts before starting the next session.

Part 2 - SAS Database

NOTE: No Git (again). We will start with git and GitHub in the next phase.

In this section you are required to work locally. Once you have completed your code, you will create a database on your webhost and upload your code to your webhost.

Use the link in Moodle to view the final result for this phase.

Setup

Download the starter files from Moodle or use the code you wrote from the previous assignment.

Store the files in your `web182/sas/` folder and rename the folder to `phase03`.

Local salamander database

Download the `salamanders.sql` file and store it in `phase03`.

Follow the instructions from the video in Moodle to create the salamanders database on your **localhost.**

Webhost salamander database

Follow the instructions from the video in Moodle to create the salamanders database on your **webhost**, or you can wait until you've finished coding your PHP locally. Your choice!

Update the starter files or use your own code

If you are using the starter files, you will need to update the following files.

If you are using your own code, you can use the starter files as a guide.

I have placed instructions inside the following files.

- db_credendentials.php
- database.php
- salamanders/index.php
- query_functions.php
- initialize.php

Webhost

Once your code is running locally, it is time to upload your code to your webhost.

Changing the db_credentials.php file

You will need to change the credentials in your `db_credentials.php` file so they match the credentials on your webhost. This is the **only** time I recommend using the webhost editor.

Open the `db_credentials.php` file with your webhost's editor and make the necessary changes.

Test your code

Make sure your code runs the same on your localhost as it does on your webhost.

Submit your work

- Put the link to your sas site in the Comments section in Moodle.
- Zip up the `phase03` folder and submit it in Moodle.

I will run your code on your webhost then read your code.