In this lab you will organize and format the lab 7 code, creating a config file, a file to store your SQL functions, and only the output will be in your main lab8.php file.

Setup
1. Download the lab8.php from Blackboard and put it in your htdocs folder
2. If necessary, update the username and password
3. Load up your lab8.php file in your browser and verify it loads data similar to what you would have had at the end of lab 7.

Creating your functions file
1. Create a new file called airbnb_functions.php
2. In it, create a function called "get_listings" that receives 2 parameters
   a. $state
   b. $maxGuest
3. Move all of your PHP code that is used to connect and query MySQL in the function. This should be
   a. Your connection variables
   b. The code to open a connection to MySQL
   c. The code to down to $stmnt->execute()
4. Make the function return *all* of the results from the query

Updating your lab8.php file
1. Be sure to remove any redundant <?php and ?> tags that are now empty
2. Include or require the file you created in the section above
3. Create a new variable called $listings
4. Set $listings to your new function – remember to pass in the state and maximum guests
5. Replace your while loop with a foreach loop and loop through the values in $listings
6. Verify it is working again! Should look like below

Host Name	Air BNB Name	City Name	State Name	Number of rooms	Max # of guests	Price
Robert Graham	Great Modern Studio	Pearl city	Hawaii	3	6	$854.00
Richard Steere	The Oaks, 1845	Akron	Alabama	3	6	$300.00

Adding a config file

1. Create a new file called "db_config.php"
2. Add 5 new constants (const VAR = 'value';)
    a. Remember all consts should be uppercase and do not start with $
    b. HOST (set to your host value)
    c. DB (set to your database name)
    d. USER (set to root or your local database user)
    e. PASS (set to blank or your local database password)
    f. DSN (set to the value of your $dsn variable)
        i. Remember that consts cannot be included in double quotes, you will need to concatenate using the dot "." Operator
3. Update your new PDO line to use your new consts
    a. Remember that consts are referenced without the $
    b. Delete your other variables ($host, $db, $user, $pass)
4. Ensure your page still loads and has the same output as before

Verify all the code

1. Go to your URL with the following querystrings and ensure the data loads properly
    a. ?state=Hawaii
    b. ?state=Hawaii&maxGuest=3
    c. ?maxGuest=6

What to submit

1. Your completed lab8.php file
2. Your db_config.php file
3. Your airbnb_functions.php file

All labs are due at the end of the lab period! Labs are not required and will not be accepted late. Submitting a lab late will result in a mark of 0.