

INLS 623 - Assignment 2: Database and Internet Applications/Stored Procedures

Date Assigned: Sept. 14, 2017

Completion Date: Sept 28, 2017 (11:55pm)

Software issues:

If you feel there are mistakes in this assignment, check the web page and Sakai for corrections, and report them to us if they have not been made.

Queries

The following questions use the **classicmodels** database. Please take a screenshot of the query/view with results. If the query does not have results (Insert, Update, Delete), you do not need to take a screenshot.

1. Create a view that shows all employees who work in France.
2. Create a view that shows all employees who work in the USA.
3. Query the view to show all employees who work in the Boston office.
4. Find all customers where their names start with 'D'.
5. Find all customers who are not located in the USA.
6. Find product (s) whose buy price is in the range of \$20 and \$100.

Database and Internet Applications

1. Create a PHP file named “allCustomers.php” that returns all the information from the customers table. (You should return each column in the customers table.)
2. Create a PHP file named “employees.php” that returns the first name, last name, and email for each employee. (You should only return the first name, last name, and email.)
3. Create a PHP file named “customerSalesRep.php” that returns the first and last name of employees who have customers.
4. Create an html form named “searchForStudents.html” that enables a user to search for products by productName.
 - a. Use the GET Method
 - b. Create a PHP file named “searchForProducts.php” that gets the productName from the html form and returns products that match the productName.
5. Create an html form named “enterCustomers.html” that enables a user to enter a customer into the database.
 - a. Use the POST Method
 - b. Create a PHP file named “enterCustomers.php” that inserts a customer into the database
6. Create an html form named “getQuantityAboveInStock.html” that enables a user to enter a quantity and see all products (productCode and productName) that are above that quantity.
 - a. Use the POST Method

- b. Create a PHP file named “getQuantityAboveInStock.php” that gets the quantity from the html form and returns all products (productCode and productName) that are above that quantity.
7. Create an html named getQuantityBelowInStock.html” form that enables a user to enter a quantity and see all products (productCode and productName) that are below that quantity.
 - a. Use the POST Method
 - b. Create a PHP file named “getQuantityBelowInStock.php” that gets the quantity from the html form and returns all products (productCode and productName) that are below that quantity.
8. What is the GET method?
9. What is the POST method?
10. Explain the differences between the GET and POST and in what situations you would use them.

Stored Procedures

Do not use MYSQL Workbench for Stored Procedures. Please write down the stored procedure under the question.

1. Create a stored procedure named “GetAllCustomers” that lists all information from the customers table.
2. Create a stored procedure named GetAllEmployees” that lists the first name, last name, and officeCode for each employee.

3. Create a stored procedure named “GetCustomerSalesRep” that lists the first and last name of employees who have customers.

4. Create a stored procedure named “GetProductByProductCode” that takes as input a product code as a parameter. The parameter is the productCode. The procedure should list all products with that productCode.

5. Create a stored procedure named “NumberOfCustomers” that counts the number of customers in the customer table and returns that number.

Getting Help

If you have trouble, please post a question on Piazza before contacting me. Before posing a question, please check if this question has been asked before. This will reduce post clutter and reduce our burden. Repeat questions will be ignored by the instructors.

Piazza allows anyone to respond. So if you see a question that you think you can respond to, please do so, as that will reduce our burden and help you "teach" your fellow students.

Good luck!