CSCD 327 Lab #5 (24 points)
Due: February 12, 2014

Write the following queries in SQL using *database_3*. Please include both the queries and the query results in your submission.

1. List the book tittle and retail price for all books with a retail price lower than the average retail price of all books sold by the bookstore.

2. Determine which books cost less than the average cost of books in the same category. List the title, the category, and the cost of these books.

3. Determine which orders were shipped to the same state as order 1014.

4. Determine which orders had a higher total order amount than order 1002. [Note: total order amount = sum(Quantity * PaidEach)].

5. List the title of all books in the same categories as books previously purchased by customer 1007. Don't include books this customer has already purchased.

6. List the shipping city and state for the order that had the longest shipping delay. [Note: shipping delay = **datediff**(shipdate, orderdate)].

7. Determine which customers placed orders for the least expensive book (in terms of regular retail price) carried by the bookstore.

8. Determine the number of different customers who have placed an order for books written or co-written by James Austin.

Write the following queries in SQL using *database_4*. Please include the queries and the query results in your submission.

9. Find the instructor earning the highest salary.

10. Find the sections that had the maximum enrollment in Spring 2010. [Note: Enrollment is the number of students taking a course section.]

11. Find the lowest, across all departments, of the per-department maximum salary, along with the department name.

12. First, insert a new tuple into "takes" relation using the following statement:

    insert into takes values (12345, 'PHY-101', 1, 'Fall', 2009, 'A');

    Now find the ID and the name of students who took all the courses offered in Fall 2009. After this query, please delete the tuple you just added from the "takes" relation.