**Homework 204351 (SQL)**

Consider the order entry database in the access database provided to write SQL commands

Note: Use the DISTINCT keyword in select clause to remove duplicates in the result.

Part 1 (2 points each)

1. List the customer number, name (first and last), and balance of customers who reside in Colorado (CustState is ‘CO’).
2. List the order number, order date, and shipping name (*OrdName*) of orders sent to addresses in Denver or Englewood.
3. List the customer number, name (first and last), city, and balance of customers who reside in Denver with a balance greater than $150 or who reside in Seattle with a balance greater than $300.
4. List all columns of the *Product* table that contain the words ‘Ink Jet’ in the product name.
5. List all columns of the *OrderTbl* table for phone orders placed in February 2004. A phone order has an associated employee.

Part 2 (5 points each)

1. List the order number, order date, customer number, and customer name (first and last) of orders placed in January 2004 sent to Colorado recipients.
2. List the order number, order date, customer number, customer name (first and last), employee number, and employee name (first and last) of January 2004 orders placed by Colorado customers.
3. List the customer number, name (first and last), order number, order date, employee number, employee name (first and last), product number, product name, and order cost (OrdLine.Qty \* ProdPrice) for products ordered on January 23, 2004, in which the order cost exceeds $150.
4. List the average balance of customers by city. Only include customers residing in Washington state (‘WA’).
5. List the average balance and number of customers by city. Only include customers residing in Washington state (‘WA’). Eliminate cities in the result with less than two customers.
6. List the order number, order date, customer number, customer name (first and last), customer state, and shipping state (*OrdState*) in which the customer state differs from the shipping state.

Part 3 (3 points each)

1. Insert yourself as a new row in the *Customer* table.
2. Increase the price by 10 percent of products containing the words ‘Ink Jet’.
3. Delete the new row(inserted in 12) from the *Customer* table.