**CCGC 5004 Database Systems**

**Lab Exercise 9 Create Views**

**Overview**

**To receive credit for this lab you must be present in today’s class. Late submissions are deducted 5% per day up to 5 days. Submissions received after 5 days will be given a grade of 0.**

**You will write and execute the required statements as requested in the questions below.**

1. Create a view named customer\_addresses that shows the shipping and billing addresses for each customer.

This view should return these columns from the Customers table: customer\_id, email\_address, last\_name and first\_name.

This view should return these columns from the Addresses table: bill\_line1, bill\_line2, bill\_city, bill\_state, bill\_zip, ship\_line1, ship\_line2, ship\_city, ship\_state, and ship\_zip. (Screen Capture 1)

1. Write a SELECT statement that returns these columns from the customer\_addresses view that you created in exercise 1: customer\_id, last\_name, first\_name, bill\_line1. The rows in the result should be sorted by the last\_name and then first\_name columns. (**Screen Capture** **2**.)
2. Write an UPDATE statement that updates the Customers table using the customer\_addresses view you created in exercise Set the first line of the shipping address to “1990 Westwood Blvd.” for the customer with an ID of 8. (**Screen Capture 3**)
3. Create a view named order\_item\_products that returns columns from the Orders, Order\_Items, and Products tables.

This view should return these columns from the Orders table: order\_id, order\_date, tax\_amount, and ship\_date.

This view should return the product\_name column from the Products table.

This view should return these columns from the Order\_Items table: item\_price, discount\_amount, final\_price (the discount amount subtracted from the item price), quantity, and item\_total (the calculated total for the item). (**Screen Capture 4**)

1. Create a view named product\_summary that uses the view you created in exercise 4. This view should return summary information about each product.

Each row should include product\_name, order\_count (the number of times the product has been ordered) and order\_total (the total sales for the product). (**Screen Capture 5**)

1. Write a SELECT statement that uses the view that you created in exercise 5 to get total sales for the five best selling products. Sort the result set by the order\_total column in descending sequence. (**Screen Capture 6**)