Chapter 12
How to create views

Exercises

You will submit only the final solution to each of the questions. To submit your completed exercise solutions, create a Word document or a text file (*.sql or *.txt) with the following information at the top of the file:

First and Last Name
My Guitar Shop Exercise Solutions for Chapter 12

Save your file as firstName_lastName_ch12mgs. For example, your instructor would save the file as laura_goadrich_ch12mgs.docx if she were turning in a Word file.

Submit your completed solution file to Blackboard under the Chapter 12 My Guitar Shop Exercises assignment section.

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.

   The rows in this view should be sorted by the last_name and then first_name columns.

2. 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.

3. Write an UPDATE statement that updates the Customers table using the customer_addresses view you created in exercise 1. Set the first line of the shipping address to "1990 Westwood Blvd." for the customer with an ID of 8.

4. 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 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).

   This view should return the product_name column from the Products table.

5. 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).

6. Write a SELECT statement that uses the view that you created in exercise 5 to get total sales for the five best selling products.