

SQL Server- Assignment 5

Total Points – 85.

(Questions 1-3 are each worth 15 points. Questions 4 - 5 are each worth 20 points)

For this week's assignment, you will use the MyGuitarShop database . Type up the scripts for the following questions as a script file or a document and upload it to Moodle.

1. Create a view named CustomerAddresses that shows the shipping and billing addresses for each customer in the MyGuitarShop database.

This view should return these columns from the Customers table: CustomerID, EmailAddress, LastName and FirstName.

This view should return these columns from the Addresses table: BillLine1, BillLine2, BillCity, BillState, BillZip, ShipLine1, ShipLine2, ShipCity, ShipState, and ShipZip.

Use the BillingAddressID and ShippingAddressID columns in the Customers table to determine which addresses are billing addresses and which are shipping addresses.

Hint: You can use two JOIN clauses to join the Addresses table to Customers table twice (once for each type of address).

2. Write a SELECT statement that returns these columns from the CustomerAddresses view that you created in exercise 1: CustomerID, LastName, FirstName, BillLine1.
3. Write an UPDATE statement that updates the CustomerAddresses view you created in exercise 1 so it sets the first line of the shipping address to "1990 Westwood Blvd." for the customer with an ID of 8.
4. Create a view named OrderItemProducts that returns columns from the Orders, OrderItems, and Products tables.

This view should return these columns from the Orders table: OrderID, OrderDate, TaxAmount, and ShipDate.

This view should return these columns from the OrderItems table: ItemPrice, DiscountAmount, FinalPrice (the discount amount subtracted from the item price), Quantity, and ItemTotal (the calculated total for the item).

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

5. Create a view named ProductSummary that uses the view you created in exercise 4. This view should return some summary information about each product.

Each row should include these columns: ProductName, OrderCount (the number of times the product has been ordered), and OrderTotal (the total sales for the product).

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