MSFT 115 Assignment 2: Creating and Changing Database Objects (30%)

Instructions

Run the script to create MyGuitarShop database. You will use this database for Assignments 2 and 3.

You will create a single Word document with all your statements and required screenshots.

Requirements

1. [10 points] 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.

2. [10 points] Create a view named ProductSummary that uses the view you created in point 1. 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 in point 2 to get total sales for the five best selling products. Take a screenshot that shows results returned from this query.

3. [5 points] Suppose an application will often search Products based on ProductName. Create an index that makes such search more efficient. Take a screenshoot that shows your command succeeded.

4. [5 points] Alter table ORDERS to ensure that both ShipAddressID and BillingAddressID reference table Addresses. Take a screenshoot that shows your command(s) succeeded.

Submit

Prepare one Word document named *LastName_FirstName_Lab_2.txt* that contains question numbers, your commands and required screenshots. Upload the file to the Assignment 2 on Brightspace before the due time.

Evaluation

This assessment is graded out of 30 points.

Learners may receive partial scores or a zero for unacceptable work.