Chapter 5

Exercises

1. You are building a report of information on current orders. Create a query that shows the number of orders placed and the total amount collected in shipping fees.

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| SELECT COUNT(OrderID) AS NumberOfOrders, SUM(ShipAmount) AS ShippingAmount  FROM Orders; |
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| 1 row returned |
| We needed a count of OrderID and the sum of ShipAmount |
| In class notes |

1. A manager wants to know the email address, number or orders, and the total amount of purchases made by each customer. Create a summary query that returns these three items for each customer that has orders.

Hint: The total is the price minus the discount, multiplied by the quantity

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| SELECT EmailAddress, COUNT(Orders.OrderID) AS NumberOfOrders,  SUM((ListPrice - (ListPrice \* (DiscountPercent / 100))) \* Quantity) AS Total  FROM Products JOIN OrderItems  ON Products.ProductID = OrderItems.ProductID  JOIN Orders  ON OrderItems.OrderID = Orders.OrderID  JOIN Customers  ON Orders.CustomerID = Customers.CustomerID  GROUP BY EmailAddress; |
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| 35 rows returned |
| We needed to count the number of orderID to get the number of orders; and use listprice, DiscountPercent and Quantity to get the total |
| In class notes |

1. Your accounting department needs to know the total amount ordered for each product in the Guitar Shop. They want a report with the product’s name and the total dollar amount for each product.

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| SELECT ProductName, SUM(ListPrice \* Quantity) AS TotalAmountOrdered, SUM(Quantity) AS Quantity  FROM Products JOIN OrderItems  ON Products.ProductID = OrderItems.ProductID  GROUP BY ProductName; |
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| 10 rows returned |
| We needed ProductName, and to get the total amount ordered by using the listprice, discountpercent, quantity and math |
| In class notes |

1. During a meeting you are asked to find out which customers have ordered more than one product. Create a query that returns the email address and the number of distinct products from the customer’s orders.

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| SELECT EmailAddress, COUNT(DISTINCT(ProductID)) AS NumberOfItemsOrdered  FROM Customers JOIN Orders  ON Customers.CustomerID = Orders.CustomerID  JOIN OrderItems  ON Orders.OrderID = OrderItems.OrderID  GROUP BY EmailAddress  HAVING COUNT(DISTINCT(ProductID)) > 1 |
|  |
| 9 rows returned |
| We needed EmailAddress and a distinct count of ProductId |
| In class notes |