

Exercise 7

Create CrossTabs

Suppose you want to create summary information for the Products. For example, the number of products ordered in a particular month or the value of inventory shipped for a particular product in a particular month, we use cross tabs to help us summarize the data as shown in the examples below.

Steps to create Cross Tab queries:

1. Click the Create tab on the menu bar and select *Query Design*

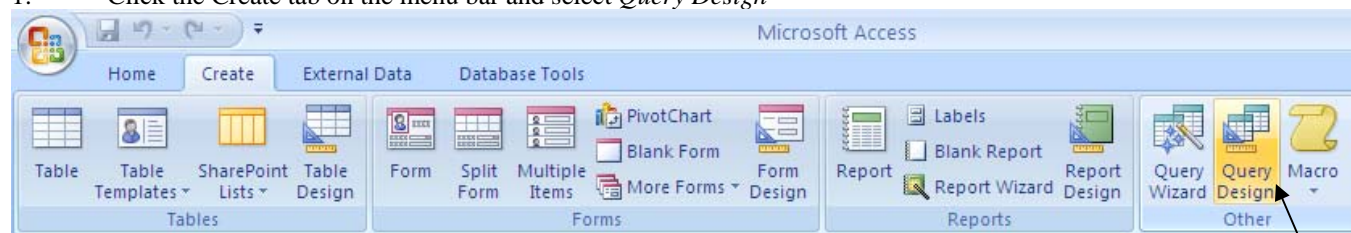


Figure 1: Database Window

2. Add **Order** and **OrderDetails** Tables.

3. Click *Crosstab* on the Design Tab

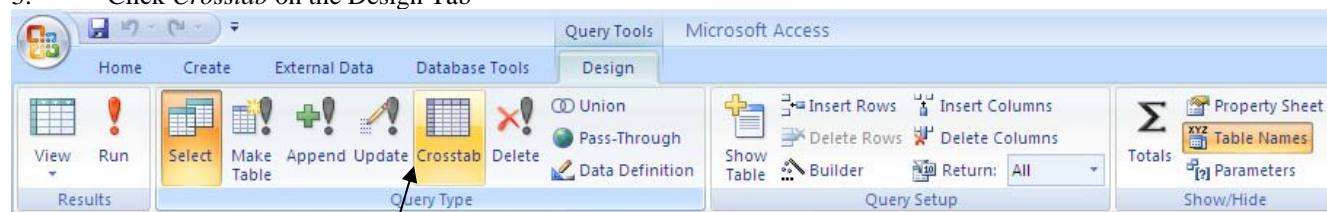


Figure 2: Crosstab Query option

4. Try to construct the following query:
 - a. Choose the fields: "ProductNo", "QtyOrder" & "Date"
 - b. For the "ProductNo" Column

Field	ProductNo
Total	Group By
CrossTab	Row Headings
 - c. For the "QtyOrder" column

Field	QtyOrder
Total	Sum
CrossTab	Value
 - d. For the "Date" column

Field	Date
Total	Group By
CrossTab	Column Heading



5. Execute your query by clicking

*You will see the sum of Products sold by *ProductNo* on the *Dates* of the transaction

Another Option:

If we want to summarize the “*Subtotal*” instead, we would change the query as follow:

- a. For the “ProductNo” Column, no change
- b. For the 2nd column

Field	Subtotal
Total	Sum
CrossTab	Value
- c. For the “Date” column, no change

*You will see the sum of the subtotals of Products sold by *ProductNo* on the *Dates* of the transaction

NOTE: You can summarize using COUNT. AVG. MIN. MAX for the Totals row.

MINI-EXERCISE

- I. Construct a Cross-Tabulation summary of *CustomerID* vs *ProductNo* and the total number of products the company ordered for that product in the month of January.

Query Exercise

- I. List the company, the products and the total number of products the company ordered for that particular product.
- II. List the company, the products, the total shipped for that product and the total valuation of all the products shipped. (Valuation = QtyShip * SellingPrice). In this query, be careful because a product may have been shipped three times, I only want the sum of all the shipments, not separate shipments information.