

## IFT-300

### Chapter 5 – SQL Queries

#### Exercise on Page 156

USE AP;

1. Write a SELECT statement that returns two columns from the Invoices table: VendorID and PaymentSum, where PaymentSum is the sum of the PaymentTotal column. Group the result set by VendorID. (6 points)
2. Write a SELECT statement that returns two columns: VendorName and PaymentSum, where PaymentSum is the sum of the PaymentTotal column. Group the result set by VendorName. Return only 10 rows, corresponding to the 10 vendors who've been paid the most. (6 points)

Hint: Use the TOP clause and join the Vendors table to the Invoices table.

3. Write a SELECT statement that returns three columns: VendorName, InvoiceCount, and InvoiceSum. InvoiceCount is the count of the number of invoices, and InvoiceSum is the sum of the InvoiceTotal column. Group the result set by vendor. Sort the result set so the vendor with the highest number of invoices appears first. (8 points)
4. Write a SELECT statement that returns three columns: AccountDescription, LineItemCount, and LineItemSum. LineItemCount is the number of entries in the InvoiceLineItems table that have that AccountNo. LineItemSum is the sum of the InvoiceLineItemAmount column for that AccountNo. Filter the result set to include only those rows with LineItemCount greater than 1. Group the result set by account description, and sort it by descending LineItemCount. (10 points)

**Make sure to put the comments with your name in code or your assignment will lose points.**

**Directions for Submission:** (*Follow the instructions*):

- Upload a Word document.
  - Copy / Paste the Homework question in your Word document.
  - Copy the query for the assignment in the word document.
  - Paste the code you have written in the text file.
  - Paste a screenshot of the code executed in SSMS.
  - Make sure the screen snapshot has a header about your name (See announcement).
- Upload as text file.
  - Include your queries (code), and query header (With your name).
  - The script must also have the query to test your code.