

IFT-300

Chapter 6 – Subqueries

Exercise on Page 188

USE AP;

1. Write a SELECT statement that returns the same result set as this SELECT statement. Substitute a subquery in a WHERE clause for the inner join.

(8 points)

```
SELECT DISTINCT VendorName
FROM Vendors v
JOIN Invoices i
ON v.VendorID = i.VendorID ORDER BY VendorName;
```

2. Write a SELECT statement that answers this question: Which invoices have a PaymentTotal that's greater than the average PaymentTotal for all paid invoices? Return the InvoiceNumber and InvoiceTotal for each invoice.

(10 points)

3. Write a SELECT statement that answers this question: Which invoices have a PaymentTotal that's greater than the median PaymentTotal for all paid invoices?

(12 points)

(The median marks the midpoint in a set of values. In other words, an equal number of values lie above and below the median value.) Return the InvoiceNumber and InvoiceTotal for each invoice.

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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.