TSQL Homework 06

Chapter 6, T-SQL Query Fundamentals

Readings

Read chapter 6 in the T-SQL Query Fundamentals book.

Homework questions

1. What does a set operator do?

Combine rows from two query results sets or multisets.

1. What are the general requirements of a set operator?

The two input queries must produce results with the same number of columns, and corresponding columns must have compatible data types.

3. What is a Venn Diagram? This is not in the book.

Shows all possible logical relations between a finite collection of different sets

4. Draw a Venn Diagram of the UNION operator. What does it do?

5. Draw a Venn Diagram of the UNION ALL operator. What does it do?

6. Draw a Venn Diagram of the INTERSECT operator. What does it do? Eliminates duplicates

7. If SQL Server supported the INTERSECT ALL operator, what would it do?

8. Draw a Venn Diagram of the EXCEPT operator. What does it do?

9. If SQL Server supported the EXCEPT ALL operator, what would it do?

10. What is the precedence of the set operators?

Intersect goes first and then whichever comes first between Union and Except

11. The symmetric difference of two sets A and B is all elements in A that are also not in A and B, and all

elements of B that are also not in A and B. For example, if set A consisted of all integers between 1 and

100 that are divisible by 2, and set B consisted of all integers between 1 and 100 that are divisible by

3, the symmetric difference of A and B would include all integers in A and B except integers divisible

by both 2 and 3, e.g., 6, 12, 18, etc. Write a SQL query that computes the symmetric difference of two

tables A and B.