

Lesson Plan 10, ISTA-420

Chapter 6, T-SQL Fundamentals

August 22, 2017

1 Class Discussion

Pages 193 – 204, chapter 6.

1. What does a set operator do?
2. What are the general requirements of a set operator
3. What is a Venn Diagram? This is not in the book.
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?
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?

2 Graded Labs

1. List the cities, regions, and countries in which we have a supplier or a customer.
2. List the cities, regions, and countries in which we have a supplier or a customer, with duplicates.
3. List only the cities, regions, and countries in which we have both a supplier and a customer.
4. List the cities, regions, and countries in which we have a supplier but not a customer.
5. List the cities, regions, and countries in which we have a customer but not a supplier.

3 Homework

3.1 Readings

Read chapter 7, pages 213 - 230 in the *T-SQL Fundamentals* book.

3.2 Discussion

1. What is a window function?
2. What does PARTITION do?
3. What does ORDER BY do?
4. What does ROWS BETWEEN do?
5. What is a ranking window function? Why would you use it? Give an example.
6. What is an offset window function? Why would you use it? Give an example.
7. What do LEAD and LAG DO
8. What do FIRST_VALUE and LAST_VALUE do?
9. What is an aggregate window function? Why would you use it? Give an example.
10. What is a pivot table and what does it do?