

# Lesson Plan 09, ISTA-420

## Chapter 6, T-SQL Fundamentals

June 13, 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 In Class Exercises

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 Graded Labs

Do LearnOnDemand Lab 6.

### 4 Course Project

#### 4.1 Software Process

Database design. Logical design and physical design.

## 4.2 Project Assignment

Do an ERD (logical design) to implement your iteration 2 requirements. Upload your drawing to Github in the appropriate directory.

If you have time, try your hand at a physical design, using Visio or another drawing tool.

## 5 Homework

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