## Chapter 3, Joins

## ISTA-420, T-SQL Fundamentals

## Readings

Chapter 3, Pages 103 - 123.

## Homework questions

- 1. In general, why would you even want to join two (or more) tables together? This is a good time to think about the nature of relational algebra.
- 2. Describe in your own words the output from an inner join.
- 3. Describe in your own words the output from an outer join.
- 4. Describe in your own words the output from an cross join.
- 5. A convenient mnemonic for remembering the various joins is "Ohio." Why is this true?
- 6. Give an example of a composite join.
- 7. What is the difference between the following two queries? The business problem is "How many orders do we have from each customer?"

8. What might be one reason the following query does not return the column custID in this query?

```
SELECT C.custid, C.companyname, O.orderid, O.orderdate FROM Sales.Customers AS C
LEFT OUTER JOIN Sales.Orders AS O
ON C.custid = O.custid
WHERE O.orderdate >= '20160101';
```