**Query Syntax: Null, Order By, Aggregates (Week 7-8)**

**Selecting Null Columns**

select ColumnName from TableName

where ColumnName is null

**Ordering Results**

**By Ascending Order**

select ColumnName1.1, ColumnName1.2 from TableName1

order by ColumnName1.1

select ColumnName1.1, ColumnName1.2 from TableName1

order by ColumnName1.1 asc

**By Descending Order**

select ColumnName1.1, ColumnName1.2 from TableName1

order by ColumnName1.1 desc

**Nested Ordering in Ascending Order**

(Order by ColumnName1.1 first, if there are duplicates, then check ColumnName1.2)

select ColumnName1.1, ColumnName1.2 from TableName1

order by ColumnName1.1 asc, ColumnName1.2 asc

**Aggregate Functions**

Note: Cannot mix aggregate columns with non aggregates

**SUM** - returns the sum of the values

select sum(ColumnName1.1) 'SumOfColumnName1.1' from TableName1

**MAX** - returns the highest value

select max(ColumnName1.1) 'MaxColumnName1.1' from TableName1

**MIN** - returns the lowest value

select min(ColumnName1.1) 'MinColumnName1.1' from TableName1

**AVG** - returns the average value

select avg(ColumnName1.1) 'AvgColumnName1.1' from TableName1

**COUNT**

**Counting whole records**

Note: this counts the number of rows in a table

select count(\*) 'AliasName' from TableName

**Counting records in a column**

Note: this doesn't return null fields

select count(ColumnName1.1) 'AliasName' from TableName1

**Counting distinct columns**

select count(distinct ColumnName1.1) from TableName1