**Week 6 Notes**

Subquery

* Split problem into sub-problems
* Solve them separately
* Compose them
* Can have its own subqueries
* Use parentheses for subqueries
  + Outside runs first
* Good for complex tables
* Correlated vs uncorrelated subqueries determine execution
  + Correlated: subquery depends on outer query
  + Uncorrelated: can run simultaneously and still work
* Existential Quantifiers: at least one element
  + EXISTS
  + IN
  + ANY
* Universal Quantifiers: for all elements
  + NOT IN
  + NOT EXISTS
  + ALL