**Week 3 Notes**

* Types of functional dependencies
  + **Partial dependency**: primary key formed using multiple attributes
  + **Transitive dependency**:
  + **Full Dependency**:
* Normal Forms
  + First normal form (1NF)
    - No multivalued attributes
    - Every attribute is atomic in nature
  + Second normal form (2NF)
    - 1NF
    - No partial functional dependencies
  + Third normal form
    - 2NF + no transitive dependencies
  + Boyce-Codd Normal Form: BCNF
    - Be in 3NF
    - Non-key attribute cannot imply a key-attribute