Taylor Earl

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CS 2550

* Primary Key
  + Something that can uniquely identify every item in your database
    - EX) w#, iemi, vin number
* Foreign Key
  + A number that refers back to the primary key in another table
  + Helps eliminate redundancy
    - Reference the w# on two different tables
      * Eliminates the need for all of the students data in two different databases
* Composite key
  + Multiple primary key
* SQL
  + Structured Query Language
* Data Manipulation (Row)
  + Select
  + Insert
  + Delete
  + Update
* Data Definition (Table)
  + Create
    - Create this table
  + Alter
    - Change a table
  + Drop
  + Rename
* Data Control (permissions on users)
  + Grant (permissions)
    - Grant rights
  + Revoke (permissions)
* Transaction Control
  + Commit command
  + Rollback command
    - Start Over
  + SavePoints
    - Incremental steps that we can take and roll back to
* Normalization
  + Unnormalized data
    - The raw data that we get
  + 1st Normal Form
    - Ensure that every row has data
    - Atomicity
      * Separate Values
  + 2nd Normal Form
    - Find the Primary Key
      * EX) W# + CRN
    - Partial Dependencies
  + 3rd Normal Form (buisness normal form)
    - Transitive Dependencies