What is SQL?
• Structured Query Language
  • Select * from employees where id = 5
• Queries and alters relational databases
  • Queries => Select * from employees
  • Alters => Delete from employees
• Relational Database Management Systems (RDBMS)s
  • MySQL, SQL Server, Oracle, MS Access
Most used SQL commands?
• INSERT, UPDATE, DELETE, and SELECT
  • INSERT => Enters data
  • UPDATE => Updates data
  • DELETE => Deletes data
  • SELECT => Queries data
• CREATE, ALTER, ADD and DROP
  • CREATE => Creates databases, tables, etc.
  • ALTER => Alters databases, tables, etc.
  • ADD => Adds a field or constraint.
  • DROP => Removes databases, tables, constraints, etc.
Example Time!
Our example's objectives

- To keep track of CS75 staff’s CD collection
  - Record each staff member’s first and last name
  - Record each CD’s artist and title
  - Record what CDs every staff member has and when each CD was acquired
Recommended things to research?
- MySQL data types
- Primary key and foreign key constraints
- Normalization
- SQL commands: SELECT, INSERT, UPDATE, and DELETE
For any questions
http://cs75.net/discuss