

# Introduction to Databases

*Lecture 11: SQL*

## SQL

- Supported by all major commercial database standards
- Interactive via a GUI, or embedded into programs
- Based on relational algebra
- Simple queries

## Commands and Terminology

- Data Definition Language
  - Create/Drop a table
- Data Manipulation Language
  - Select, Insert, Delete, Update data in table

## SELECT Statement

1. Select A1, A2, ..., AN
2. From R1, R2, ..., RN
3. Where (condition)

ex/ `SELECT a1 FROM r2 WHERE x`