

SQL

Introduction

- “S.Q.L.” or “sequel”
- Supported by all major commercial database systems
- Standardized – many new features over time
- Interactive via GUI or prompt, or embedded in programs
- Declarative, based on relational algebra

Data Definition Language (DDL)

create table ...

drop table ...

Data Manipulation Language (DML)

select

insert

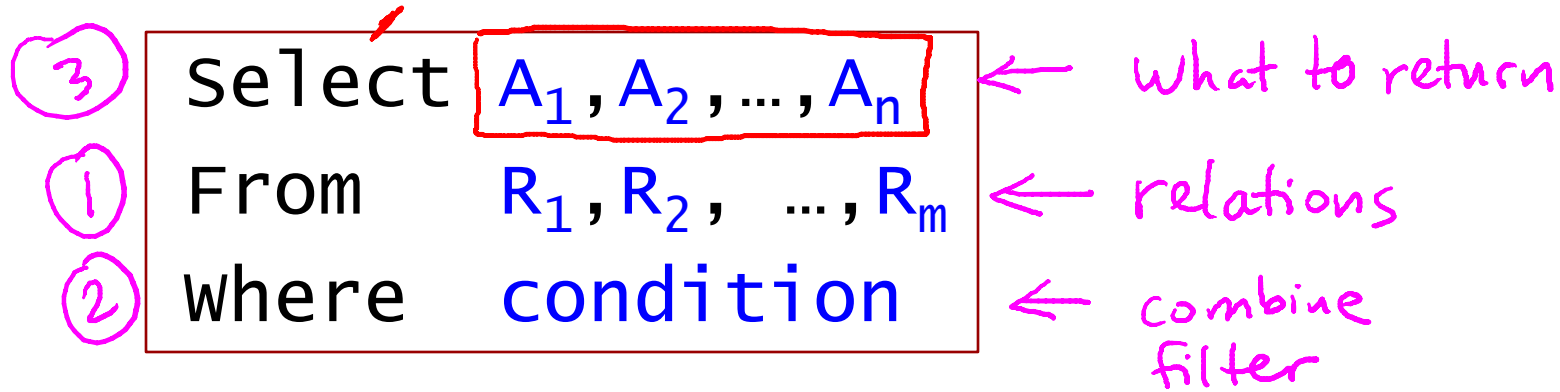
delete

update

Other Commands

indexes, constraints, views, triggers, transactions, authorization, ...

The Basic SELECT Statement



$$\Pi_{A_1, \dots, A_n} (\sigma_{\text{condition}} (R_1 \times \dots \times R_m))$$

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