



Module 2

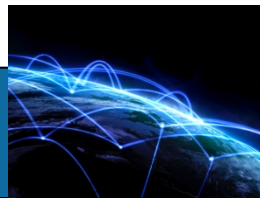
Introduction to Databases and DBMSs

Lesson 3: DBMS Overview and Database Definition Feature



Lesson Objectives

- Define DBMS
- Explain DBMS product variations
- Discuss the essential difference between a DBMS and desktop software



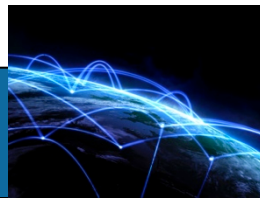
Database Management System (DBMS)

- Collection of components that support data acquisition, dissemination, storage, maintenance, retrieval, and formatting
- Product variations
 - Enterprise DBMSs
 - Desktop DBMSs
 - Embedded DBMSs
- Major part of information technology infrastructure



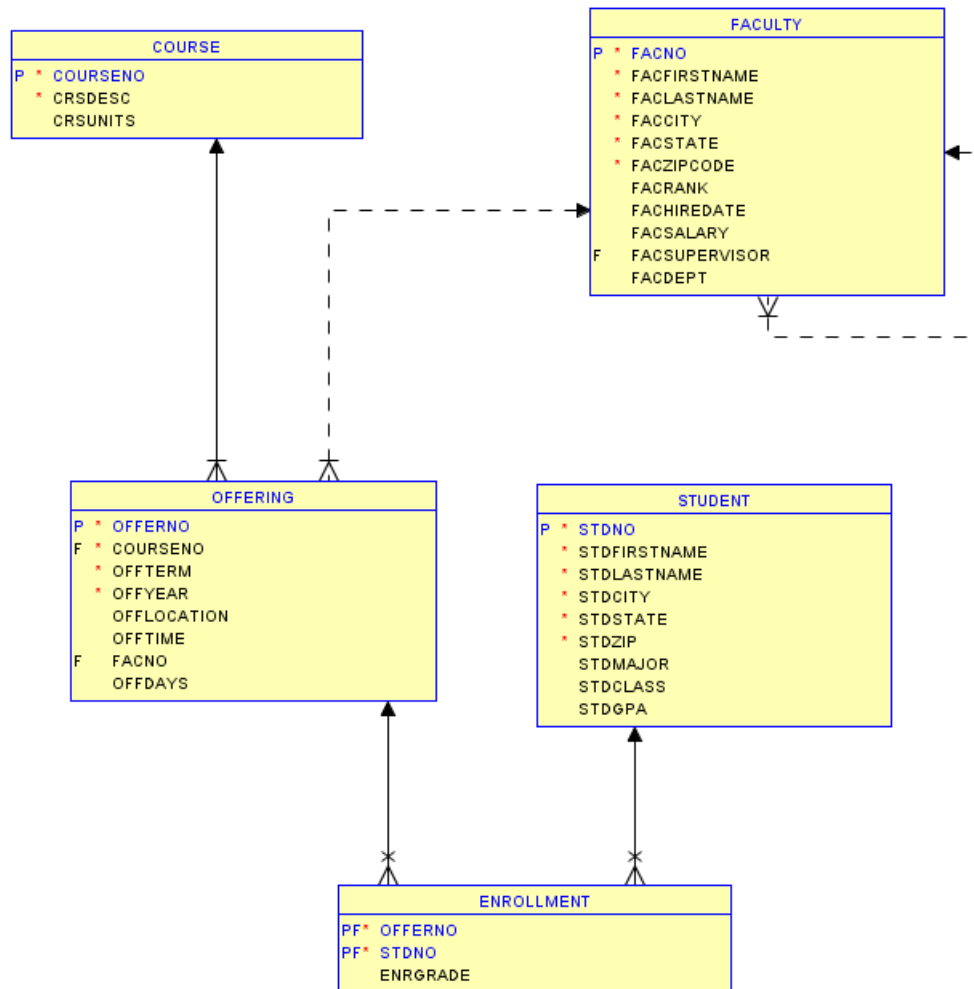
Database Definition Feature

- Define database before populating and using a database
- Tables and relationships
- SQL CREATE TABLE statement
- Graphical tools



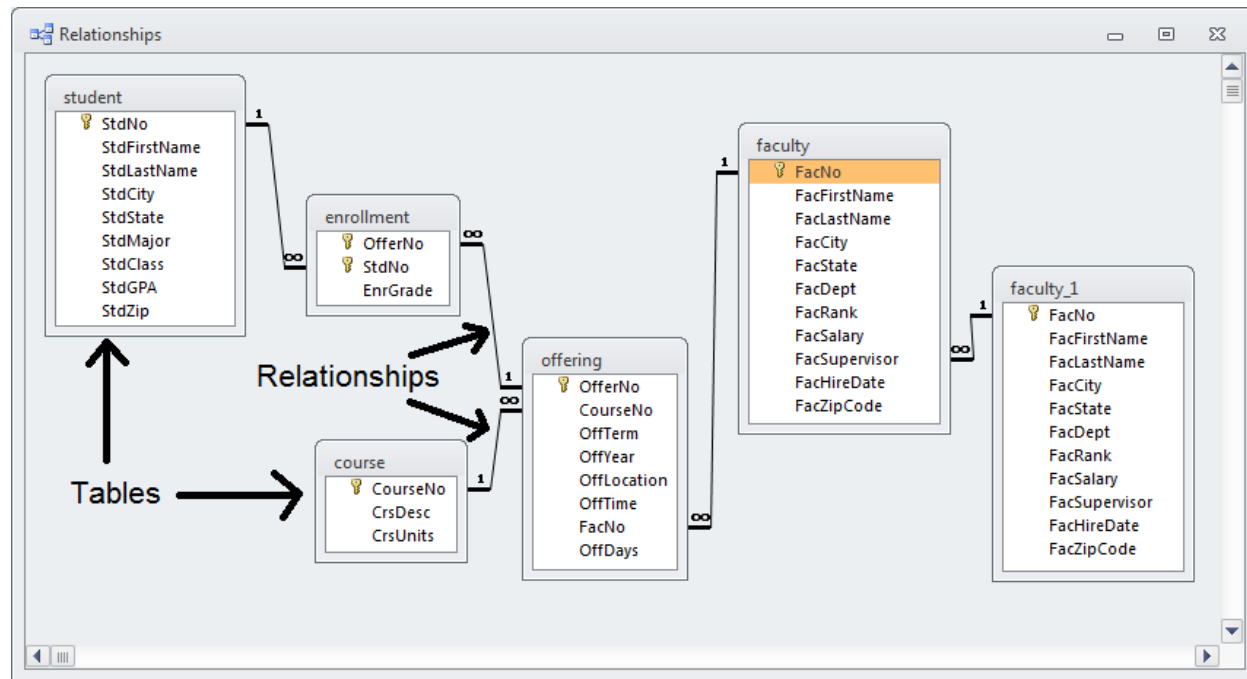
Oracle Relational Diagram

PL/SQL



Microsoft Access Database Diagram

Transact-SQL



Summary

Vital to orgz

- Database technology supports daily operations and decision making
- Define database before using it
- Nonprocedural access is a crucial feature

↳ Reduce coding

