

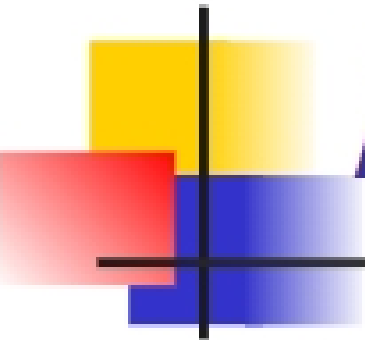


SQL in a
Programming
Environment - Part

CIS 4301

Lecture Notes

Lecture 23 - 13/4/2006



Application Development

- Often important to execute parts of the application logic directly in process space of DBMS
 - Why?
- One solution: Programming Language for DBMS

DBMS Programming Language

- Many DBMS's provide their own mini-programming language that includes SQL, variables, control constructs, procedures, etc.
 - Simple, general-purpose language
 - Smooths over the discontinuity between the programming language and SQL
 - Runs in the DBMS
- Used to create procedures or functions to be stored with database schema
 - A.k.a. Persistent Stored Modules PSM (SQL/PSM)
 - A.k.a. Stored Procedures