



MIS 385/MBA 664

Systems Implementation with DBMS/
Database Management

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Procedures, triggers & macros in Teradata

- **Stored Procedures**
 - Program modules that execute on demand
 - Written in SQL
 - Control and condition handling statements
 - More powerful than macros; more sophisticated procedural logic and error handling
- **Triggers**
 - Routines that execute in response to a database event
 - e.g. INSERT, UPDATE, or DELETE
- **Macros**
 - Series of SQL statements
 - Executable with a single command



Triggers in Teradata

- Triggers are procedures associated with a table
- Fire upon meeting of *trigger condition*
- Used in database to react to specific situations
 - enforcing data integrity rules
 - deriving specific values
- Two general types
 - Row triggers
 - Statement triggers
- Simple example of using a trigger might be the autonum datatype in Access (when calling a stored procedure to increment the value by 1)