



MIS 385/MBA 664

Systems Implementation with DBMS/  
Database Management

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# Procedures, triggers & macros in Teradata

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- **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

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- 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)