## **CIS560**

Data Modification
Part 3



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## Data Modification

- We've looked at all three operations for writing data:
  - Inserting (INSERT statement)
  - Updating (UPDATE statement)
  - Deleting (DELETE and TRUNCATE statements)
- Now we'll look at a way to combine operations.
- The MERGE statement allows you to INSERT and UPDATE in a single statement.



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## MERGE

Syntax

- WHEN MATCHED and WHEN NOT MATCHED are optional.
- Can include predicates for evaluating matches.
  - Common scenario is to check for changes.

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## **OUTPUT**

- •OUTPUT clause will return information about the affected rows.
- •It's supported on all DML statements.
- With MERGE, it provides an \$action function.

  This allows you to see which operation was performed on each row.
- Can capture output into another table.
   This output table must not have any relationships.

