# SQL Revision

Information Process Techniques

Week 13

Primary Key Foreign Key Candidate Key

- SELECT
  - SELECT <column name> FROM WHERE <condition>
- INSERT
  - INSERT INTO <tablename> (column names) VALUES (<value>)
- UPDATE
  - UPDATE <tablename> SET <column name> = <value> Where <condition>
- DELETE
  - DELETE <tablename> WHERE <condition>
- INSERT INTO
  - INSERT INTO <destination table> Select <column name> from <source table>
- SELECT INTO
  - SELECT <column name> INTO <new table> FROM <existing table>

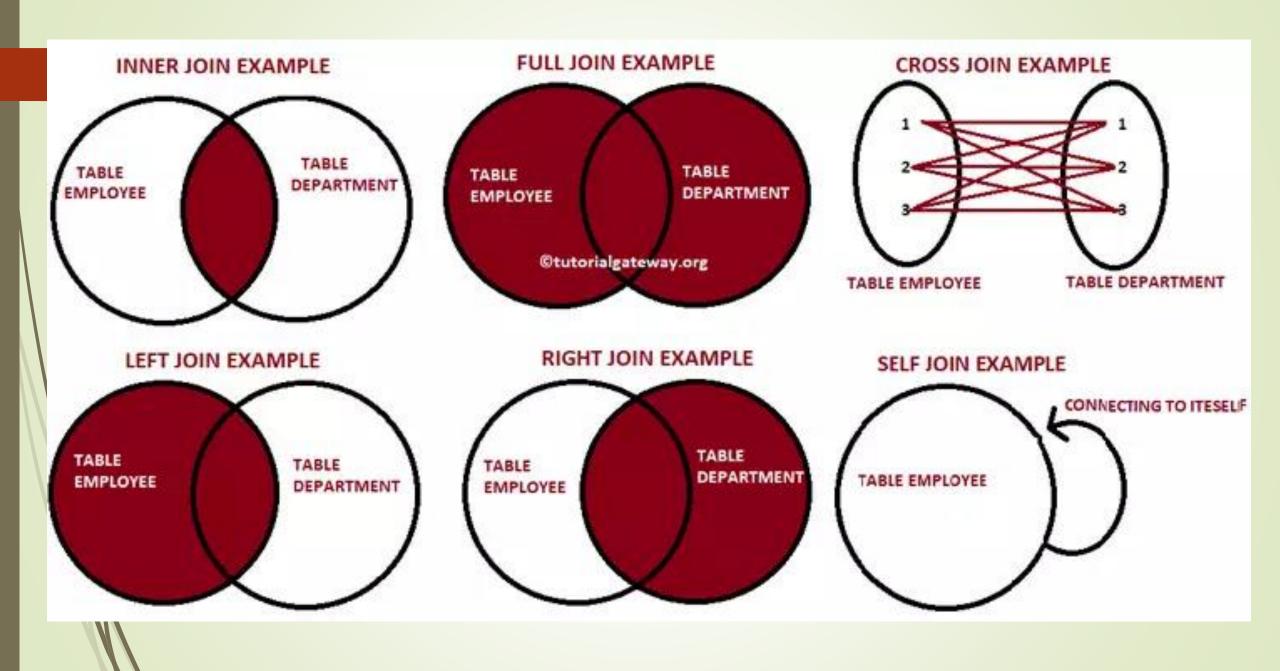
### Wild Cards

- **>** %
  - SELECT \* FROM < tablename > WHERE < column > LIKE '% < value > '
- \_
  - SELECT \* FROM < tablename > WHERE < column > LIKE '\_< value > '
- **-** []
  - SELECT \* FROM < tablename > WHERE < column > LIKE '[a,b]' single character
- \_\_\_\_\_\_/\
  - SELECT \* FROM < tablename > WHERE < column > LIKE '[^a,b]' any character not in brackets
- \_
  - SELECT \* FROM < tablename > WHERE < column > LIKE '[a-b]' range of characters

### JOIN

- INNER JOIN
  - SELECT < column > FROM OR SELECT < column > INNER JOIN ON < condition>
    - FROM <table1>,<table2> WHERE < condition>

- ► LEFT JOIN
  - SELECT < column > FROM LEFT JOIN ON < condition>
- RIGHT JOIN
  - SELECT < column > FROM RIGHT JOIN ON < condition>
- **FULL OUTER JOIN** 
  - SELECT < column > FROM FULL OUTER JOIN ON < condition>
- CROSS JOIN
  - CROSS JOIN
  - SELECT < column > FROM OR SELECT < column > FROM ,



### SET OPERATIONS

#### UNION

- SELECT <column> FROM UNION SELECT <column> FROM
- UNION ALL
  - SELECT <column> FROM UNION ALL SELECT <column> FROM

### MISC

- BETWEEN
  - SELECT \* FROM WHERE < column > BETWEEN < value 1 > and < value 2 >
- GROUP BY
  - SELECT < column > FROM GROUP BY < column >
- → HAVING
  - SELECT < column > FROM GROUP BY < column > HAVING < condition >
- EXISTS
  - SELECT <column> FROM WHERE EXISTS (<condition>)

### TEMP TABLES

- Table variable (@temp)
- Local temp table (#temp)
- Global temp table (##temp)

VIEW FUNCTIONS STORED PROCEDURE Triggers

## MISC

- Index:
  - Clustered Index
  - Non-Clustered Index
- Execution Plan & Cardinality Estimator