

### Categories

**DDL:** Data Definition Language

**DQL:** Data Query Language

**DML:** Data Manipulation Language

**DCL:** Data Control Language

**TCL:** Transaction Control Language

### Commands

#### DDL

CREATE | DROP | ALTER | TRUNCATE  
| RENAME | COMMENT

#### DQL

SELECT

#### DML

INSERT | UPDATE | DELETE | LOCK |  
CALL | EXPLAIN PLA

#### DCL

GRANT | REVOKE

#### TCL

COMMIT | ROLLBACK | SAVEPOINT |  
SET TRANSACTION

### Joins

#### INNER JOIN



#### LEFT [OUTER] JOIN



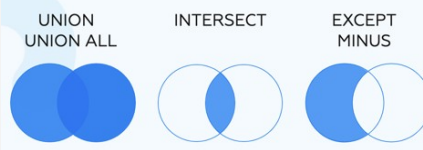
#### FULL [OUTER] JOIN



#### RIGHT [OUTER] JOIN



### Set Operations



### Execution Order

1. FROM, JOIN
2. WHERE
3. GROUP BY
4. AGGREGATE FUNCTIONS
5. HAVING
6. WINDOW FUNCTIONS
7. SELECT
8. DISTINCT
9. UNION/INTERSECT/EXCEPT
10. ORDER BY
11. OFFSET
12. LIMIT/FETCH/TOP

Window functions can be used in SELECT and ORDER BY, however they cant be put anywhere in the FROM, WHERE, GROUP BY, or HAVING clauses.

### Operators

**Arithmetic** + - \* / %

**Bitwise** & | ^

**Comparison** = < > <= >= !< !> <> !=

**Compound** += -= \*= /= %= &= |= ^=

**Logical** AND | OR | NOT | ANY |  
SME | ALL | BETWEEN | IN |  
EXISTS | LIKE | IS NULL |  
UNIQUE



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