

SQL TOPICS YOU MUST LEARN

PREPARED BY: GAURAV RATAN (Data Science and Strategy, American Express)

- DDL/DML/DCL/TCL
- CREATE
- INSERT
- UPPER/LOWER CASE
- HAVING
- DESC
- ORDER BY CASE
- DIFF BETWEEN ZERO,BLANK AND NULL
- LENGTH
- DISTINCT
- CASE
- DROP
- ALIAS
- NVL
- DELETE
- TRUNCATE
- DIFF B/W DELETE, DROP AND TRUNCATE
- CTE(Common Table Expression)
- MOD
- CONCAT
- COALESCE
- SUBSTRING
- INSTR
- ALTER
- LISTAGG
- LEVEL
- DECODE
- LIMIT/TOP
- RECURSIVE CTE
- PIVOT
- COMPARISON OPERATORS
- LOGICAL OPERATORS
- AGGREGATE FUNCTIONS
- SET OPERATORS
- JOINS
- SUB-QUERY
- CONSTRAINTS
- CLAUSES
- ANALYTICS/WINDOW FUNCTIONS
- ROWID

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COMPARISON OPERATORS

- GREATER THAN
- GREATER THAN EQUAL
- LESS THAN
- LESS THAN EQUAL
- NOT EQUAL
- AND
- OR

LOGICAL OPERATORS

- BETWEEN
- EXISTS
- IN
- NOT IN
- LIKE
- IS NULL/ IS NOT NULL

AGGREGATE FUNCTIONS

- SUM
- MAX
- MIN
- AVG
- COUNT

SET OPERATORS

- MINUS
- UNION
- UNION ALL
- INTERSECT

JOINS

- INNER
- LEFT OUTER/RIGHT OUTER
- CROSS/SELF

SUBQUERY

- INDEPENDENT
- CORRELATED

CLAUSES

- WHERE
- GROUP BY
- ORDER BY
- UPDATE
- HAVING

CONSTRAINTS

- PRIMARY KEY
- COMPOSITE PRIMARY KEY
- SURROGATE KEY
- NOT NULL
- UNIQUE
- FOREIGN/INTEGRITY

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ANALYTIC WINDOW FUNCTION

- ADVANCED SQL/WINDOW FUNCTION
- ROLLUP
- SUM() OVER
- CUMULATIVE SUM
- RANK
- DENSE_RANK
- ROW_NUMBER
- NTILE
- LEAD
- LAG

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HAPPY LEARNING
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