SQL SYNTAXS FOR ALL THE QUERIES

# DQL-DATA QUERY LANGUAGE

1. **PROJECTION :**

SELECT \*/[DISTINCT]COLUMN\_NAME/EXPRESSION[ALIAS NAME]

FROM TABLE\_NAME;

1. **SELECTION:**

SELECT \*/[DISTINCT]COLUMN\_NAME/EXPRESSION[ALIAS NAME]

FROM TABLE\_NAME

WHERE <FILTER\_CONDITIONS>;

1. **ARITHEMATICAL OPERATORS:[+,-,\*,/]**

SELECT \*/[DISTINCT]COLUMN\_NAME/EXPRESSION[ALIAS NAME][+,-,\*,/]

FROM TABLE\_NAME

WHERE <FILTER\_CONDITIONS>;

1. **LOGICAL OPERATORS:[AND,OR,NOT]**

SELECT \*/[DISTINCT]COLUMN\_NAME/EXPRESSION[ALIAS NAME]

FROM TABLE\_NAME

WHERE NOT(<FILTER\_CONDITIONS>AND/OR<FILTER\_CONDITIONS>);

1. **CONCATINATION OPERATORS:[||]**

SELECT COLUMN\_NAME || ‘ STRING ‘|| COLUMN\_NAME

FROM TABLE\_NAME;

1. **RELATIONAL OPERATORS:[>,<,<=,>=]**

SELECT COLUMN\_NAME

FROM TABLE\_NAME

WHERE COLUMN\_NAME>/</>=/<=VALUE;

1. **COMPARISION OPERATORS:[=,!= OR<>]**

SELECT COLUMN\_NAME

FROM TABLE\_NAME

WHERE COLUMN\_NAME=/=! VALUE;

1. **SPECIAL OPERATIORS:[IN,NOT IN,BETWEEN,NOT BETWEEN,IS ,IS NOT,LIKE,NOT LIKE]**

**IN/NOT IN:**

COLUMN\_NAME/EXPRESSION **IN/NOTIN** (V1,V2,V3....................VN)

**BETWEEN /NOT BETWEEN:**

COLUMN\_NAME/EXPRESSION **BETWEEN/NOTBETWEEN** LOWER\_RANGE AND HIGHER\_RANGE

**IS/IS NOT:**

COLUMN\_NAME/EXPRESSION **IS /IS NOT** NULL

**LIKE/NOT LIKE:**

COLUMN\_NAME/EXPRESSION **LIKE/NOT LIKE** ‘PATTERN\_TO\_MATCH’

**SUB-QUERY OPERATORS:[ALL,ANY,EXISTS,NOT EXISTS]**

COLUMN\_NAME/EXPRESSION **ALL(RELATIONAL OPERATORS)** (SUB QUERY)

**ALL:**

**ANY:**

COLUMN\_NAME/EXPRESSION **ANY(RELATIONAL OPERATORS)** (SUB QUERY)

**EXISTS:**

COLUMN\_NAME/EXPRESSION **EXISTS** (SUB QUERY)

**NOT EXISTS:**

COLUMN\_NAME/EXPRESSION **NOT EXISTS** (SUB QUERY)

# FUNCTIONS

## MULTI ROW FUNCTIONS/GROUP BY FUNCTION:[MAX(),MIN(),SUM(),AVG(),COUNT()]

SELECT MAX(COLUMN\_NAME)/ MIN(COLUMN\_NAME)/ SUM(COLUMN\_NAME)/ AVG(COLUMN\_NAME)/ COUNT(COLUMN\_NAME/\*)

FROM TABLE\_NAME

[WHERE <FILTER-CONDITIONS>];

/

**GROUP BY :**

SELECT GROUP \_EXPRESSIONS/GROUP\_FUNCTION

FROM TABLE\_NAME

[WHERE <FILTER-CONDITIONS>]

GROUP BY COLUMN\_NAME/EXPRESSION;

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