

Standard SQL CHEATSHEET (v.15/02/2022)

CLAUSE	DESCRIPTION
SELECT (col. A, col. B) SELECT DISTINCT (col. A, col. B)	Specifies which columns to be retrieved Same as above, but forces unique values among all combinations of columns extracted
FROM (table X) (tag Y)	Points table(s) to extract data from, columns included in SELECT statement must be available in table(s) selected
WHERE (cond. 1 AND/OR cond. 2)	Includes conditions to filter data extracted from table(s), before performing any calculation
GROUP BY (col. A, col. B)	This is relevant only when performing aggregations. All dimensions included in the SELECT statement (i.e. everything that is not an aggregate function) must be placed here
HAVING (agg. cond. 1, agg. cond. 2)	Consist of conditions to filter output after performing calculations
ORDER BY (col. 1 ASC/DESC, col. 2 ASC/DESC)	Generates an order criteria for the output
LIMIT (n rows)	Restricts the output to the first n rows

FUNCTION	DESCRIPTION	ARITHMETIC OPERATORS	DESCRIPTION
COUNT (col. A) COUNT (DISTINCT col. A)	Counts number in rows of column A Counts unique values in column A	+	Add
SUM (col. A)	Adds up numeric values in column A		Subtract
AVG (col. A)	Calculates arithmetic mean to numeric values in column A	/	Divide
MAX (col. A)/ MIN (col. A)	Finds the max/min value in column A (numeric value/ alphabet)	*	Multiply

COMPARISON OPERATORS	DESCRIPTION	OPERATORS	DESCRIPTION
=	Equal to	AND	TRUE if all conditions are met
>	Greater than	OR	TRUE if at least one condition is met
<	Less than	BETWEEN X AND Y	TRUE if value within range
>=	Greater than or equal to	NOT	TRUE if condition is NOT met
<=	Less than or equal to	IN (X,Y,Z)	TRUE if value is contained in list
<>	Not equal to	LIKE ('pattern')	TRUE if value matches pattern

OPERATOR PATTERN	DESCRIPTION	STATEMENT	DESCRIPTION
LIKE 'a%'	Any values that start with "a"	DATE (year, month, day)	Converts parameters into date
LIKE '%a'	Any values that end with "a"	EXTRACT (date part FROM col.A)	Extracts date part from field
LIKE '%or%'	Any values that have "or" in any position	CASE WHEN cond.1 THEN value x WHEN cond.2 THEN value y ELSE value z END	Goes through conditions and returns values when first condition is met
LIKE ' _r%'	Any values that have "r" in the second position	COALESCE (col. A, col. B) / NVL (col. A, col. B)	These functions are identical, they return the first non null value in the list
LIKE 'a_%'	Any values that start with "a" and are at least 3 characters in length		
LIKE 'a%o'	Any values that start with "a" and ends with "o"		

