SQL Cheat Sheet: Basics

Command	Syntax	Description	Example
SELECT	SELECT column1, column2, ... FROM table_name;	SELECT statement is used to fetch data from a database	SELECT city, POP2010 FROM placesTexas;
WHERE	SELECT column1, column2, ... FROM table_name WHERE condition;	WHERE clause is used to extract only those records that fulfill a specified condition.	SELECT * FROM placesTexas WHERE POP2010 > 50000
AS/INTO	SELECT COUNT * FROM table_name;	AS/INTO combines fields into the name of a column or a segment and returns the number of rows when the column is not NULL.	SELECT COUNT(county) FROM placesTexas WHERE county="Harris";
DISTINCT	SELECT DISTINCT column1 FROM table_name;	DISTINCT Function is used to specify that the statement is a query which returns unique values in specified columns.	SELECT DISTINCT county FROM placesTexas WHERE type="municipal";
ORDER BY	SELECT * FROM table_name ORDER BY column1, column2, ... ASC|DESC;	ORDER BY clause is used to sort the retrieved records in ascending or descending order.	SELECT * FROM placesTexas ORDER BY POP2010 ASC;
GROUP BY	SELECT SUM(column1) FROM table_name GROUP BY column1, column2, ... ;	GROUP BY clause is used in collaboration with the SELECT statement to arrange identical data into groups.	SELECT SUM(POP2010) FROM placesTexas GROUP BY county;
HAVING	SELECT DISTINCT column1, column2, column3, ... FROM table_name WHERE condition1 ... ;	HAVING is used in the place of WHERE with aggregate functions.	SELECT DISTINCT county, type FROM placesTexas WHERE type="municipal" OR type="unincorporated" HAVING COUNT(*) > 1;
UPDATE	UPDATE table_name SET column1=value1, column2=value2,... WHERE condition1;	UPDATE statement is used to update the values in the table.	UPDATE placesTexas SET type = 'Village';
DELETE	DELETE FROM table_name WHERE condition1;	DELETE statement is used to remove rows from the table which are specified in the WHERE condition.	DELETE FROM placesTexas WHERE county IN ('Hays', 'Travis', ...);

Author(s)

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Changelog

Date	Version	Changed by	Change Description
2020-07-01	1.1	Rosey	Formatting changes
2018-10-17	1.0	Shelley	Initial Version