## SQL Cheat Sheet: Basics - SELECT, INSERT, UPDATE, DELETE, COUNT, DISTINCT, LIMIT



Command	Syntax	Description	Example
SELECT	SELECT column1, column2, FROM table_name;	SELECT statement is used to fetch data from a database.	SELECT city FROM placeofinterest;
WHERE	<pre>SELECT column1, column2,FROM table_name WHERE condition;</pre>	WHERE clause is used to extract only those records that fulfill a specified condition.	<pre>SELECT * FROM placeofinterest WHERE city == 'Rome';</pre>
COUNT	<pre>SELECT COUNT * FROM table_name ;</pre>	COUNT is a function that takes the name of a column as argument and counts the number of rows when the column is not NULL.	<pre>SELECT COUNT(country) FROM placeofinterest WHERE country='Canada';</pre>
DISTINCT	SELECT DISTINCT columnname FROM table_name;	DISTINCT function is used to specify that the statement is a query which returns unique values in specified columns.	SELECT DISTINCT country FROM placeofinterest WHERE type='historical';
LIMIT	<pre>SELECT * FROM table_name LIMIT number;</pre>	LIMIT is a clause to specify the maximum number of rows the result set must have.	<pre>SELECT * FROM placeofinterest WHERE airport="pearson" LIMIT 5;</pre>
INSERT	<pre>INSERT INTO table_name (column1,column2,column3) VALUES(value1,value2,value3) ;</pre>	INSERT is used to insert new rows in the table.	<pre>INSERT INTO placeofinterest (name,type,city,country,airport ) VALUES('Niagara Waterfalls','Nature','Toronto', 'Canada','Pearson');</pre>
UPDATE	<pre>UPDATE table_name SET[[column1]=[VALUES]] WHERE [condition];</pre>	UPDATE used to update the rows in the table.	<pre>UPDATE placeofinterest SET name = 'Niagara Falls' WHERE name = "Niagara Waterfalls";</pre>
DELETE	<pre>DELETE FROM table_name WHERE [condition];</pre>	DELETE statement is used to remove rows from the table which are specified in the WHERE condition.	DELETE FROM placeofinterest WHERE city IN ('Rome','Vienna');

## Author(s)

Malika Singla

## Changelog

Date	Version	Changed by	Change Description
2021-07-27	1.0	Malika	Initial Version