

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



**Skills**  
Network

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

## Author(s)

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## Changelog

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