

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



| Command | Syntax | Description | Example |
|----------|---|---|---|
| SELECT | <code>SELECT column1, column2, ... FROM table_name;</code> | <code>SELECT</code> 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> | <code>WHERE</code> 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> | <code>COUNT</code> 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> | <code>DISTINCT</code> 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> | <code>LIMIT</code> 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> | <code>INSERT</code> 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> | <code>UPDATE</code> 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> | <code>DELETE</code> 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 |