

1.8

AND, OR, NOT Logical Operators

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- *Logical operators* are used in the WHERE clause
- You may use multiple *logical operators* in a WHERE clause to create a Compound condition. The order of evaluation when multiple operators are used is shown in the table above.

Table 6. Logical Operators

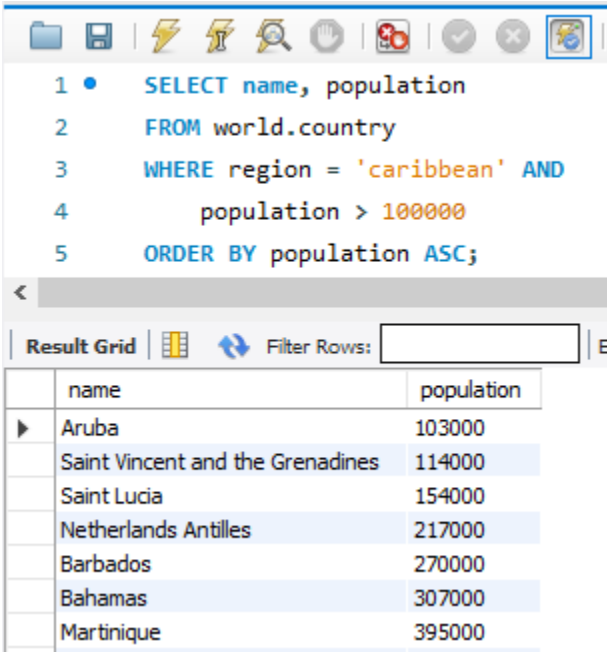
Operator	Description	Order of Evaluation
NOT	(a NOT b) - a must be present but b must NOT be present to be included	1
AND	(a AND b) -If both a and b are present, item is included	2
OR	(a OR b) - If either a OR b is present item is included	3

Example:

```
USE world;
SELECT name, population
FROM country
WHERE region = 'caribbean'
AND population > 100000
```

ORDER BY population ASC;

Results:

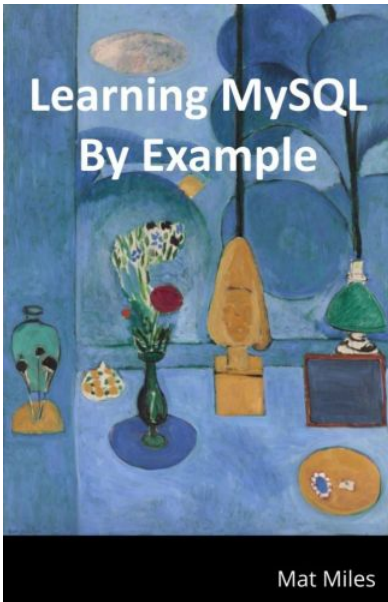


The screenshot shows a MySQL query editor window. The query is as follows:

```
1 • SELECT name, population
2 FROM world.country
3 WHERE region = 'caribbean' AND
4     population > 100000
5 ORDER BY population ASC;
```

Below the query editor, there is a "Result Grid" section with a "Filter Rows" input field. The results are displayed in a table with two columns: "name" and "population".

	name	population
▶	Aruba	103000
	Saint Vincent and the Grenadines	114000
	Saint Lucia	154000
	Netherlands Antilles	217000
	Barbados	270000
	Bahamas	307000
	Martinique	395000



Miles, M. (2021). *Learning MySQL By Example*. EdTech Books. https://edtechbooks.org/learning_mysql