

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.

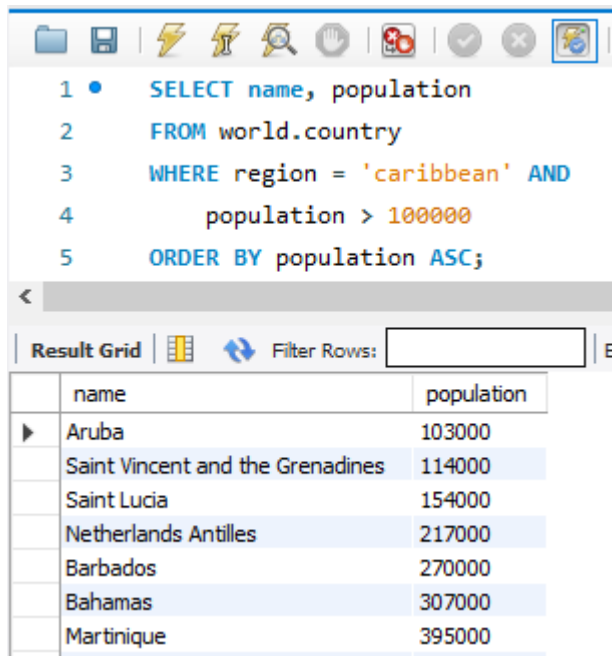
Table 6. Logical Operators

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 top toolbar contains icons for file operations, execution, and navigation. The SQL editor contains the following query:

```

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, the 'Result Grid' tab is active, displaying the results of the query in a table format. The table has two columns: 'name' and 'population'. The results are as follows:

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



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