

1.3

LIKE and REGEXP Operators

LIKE and REGEXP Operators

- The LIKE keyword is used with the WHERE clause.
- The LIKE keyword can use two symbols as wildcards. The percent (%) symbol matches any number of characters and the underscore (_) matches a single character
- REGEXP keyword allows you to do more complex pattern matching than a LIKE keyword/
- Some version of REGEXP exists in many computer languages. Refer to the “LIKE and REGEXP” handout for a full list of examples.

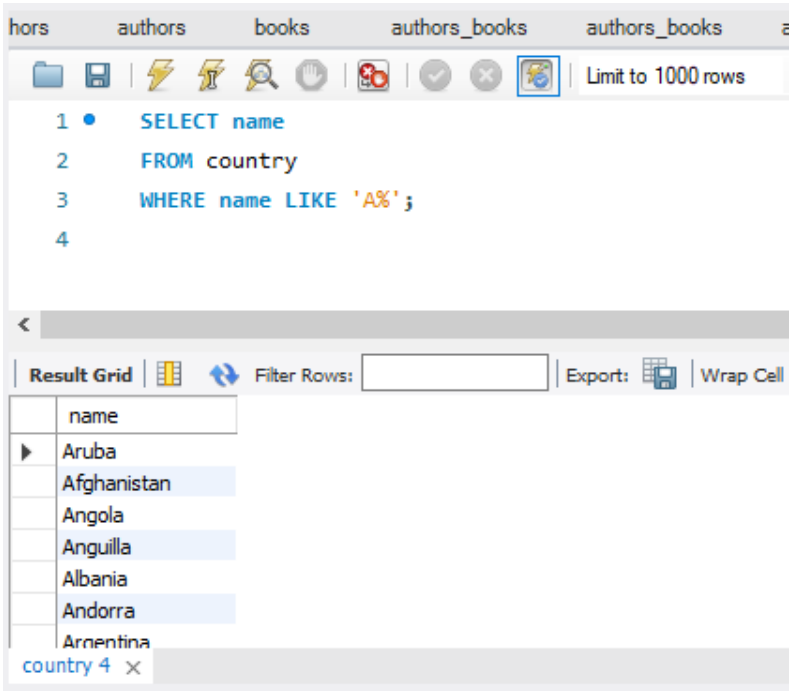
Table 2. LIKE Keyword

LIKE Symbol	Description
%	Match any string of characters to the left of the symbol
_	Match a single character

Code Example:

```
USE world;  
SELECT name  
FROM country  
WHERE name LIKE 'A%'
```

Results:



The screenshot shows a MySQL query editor interface. At the top, there are tabs for 'hors', 'authors', 'books', 'authors_books', and 'authors_books'. Below the tabs is a toolbar with various icons, including a folder, a save icon, a lightning bolt, a magnifying glass, a hand, a refresh icon, a checkmark, a close icon, and a 'Limit to 1000 rows' button. The main area contains a SQL query:

```
1 • SELECT name  
2 FROM country  
3 WHERE name LIKE 'A%';  
4
```

Below the query is a 'Result Grid' section. It has a 'Filter Rows:' input field and an 'Export:' button. The grid displays the following results:

name
Aruba
Afghanistan
Angola
Anguilla
Albania
Andorra
Argentina

At the bottom left of the grid, there is a 'country 4 x' label.

Table 3. REXEXP Keyword

REGEXP Characters	Description
^	Match the pattern to the beginning of the value being tested.
\$	Match the pattern to the end of the value being tested.
.	Matches any single character.
[charlist]	Matches any single character listed within the brackets.
[char1 - char2]	Matches any single character within the given range.
	Separates two string patterns and matches either one

Code Example:

```
USE world;
SELECT name
FROM country
WHERE name REGEXP 'g[o,u]';
```

Results:

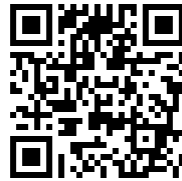
hors authors books authors_books

1 • USE world;
2 • SELECT name
3 FROM country
4 WHERE name REGEXP 'g[o,u]';
5

<

Result Grid | Filter Rows:

	name
▶	Angola
	Anguilla
	Antigua and Barbuda
	Bosnia and Herzegovina
	Congo, The Democratic Republic of the
	Congo
	Guinea
	Guadeloupe
	Guinea-Bissau
	Equatorial Guinea



Miles, M. (n.d.). *Learning MySQL*. EdTech Books.
https://edtechbooks.org/learning_mysql