الاسم / عمرو عوض الخميسي عوض
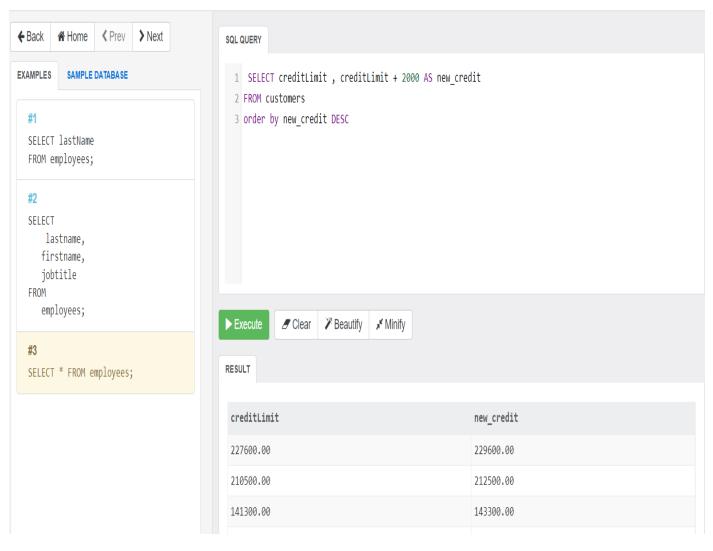
ID / 4211042

Group / B3
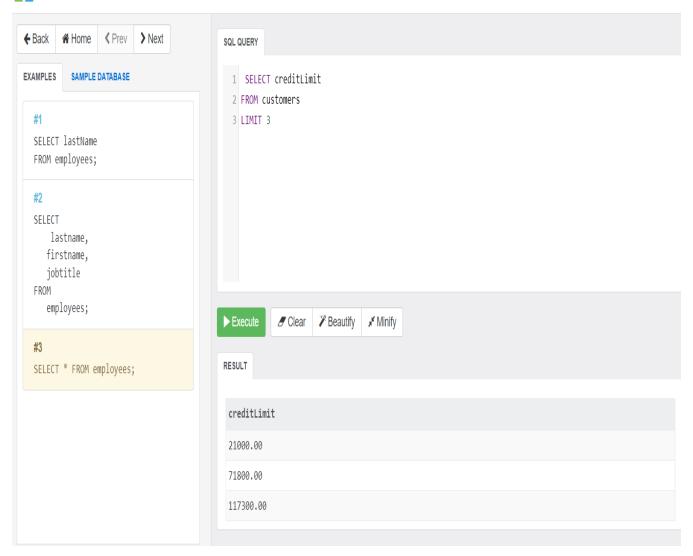
Query _1

MySQLTUTORIAL

EXAMPLES   **SAMPLE DATABASE**

#1

SELECT lastName
FROM employees;

#2

SELECT
    lastname,
    firstname,
    jobtitle
FROM
    employees;

#3

SELECT * FROM employees;

SQL QUERY

```
1  SELECT*
2  FROM customers
3  WHERE creditlimit>= 1000000 AND customerNumber <=200 OR country = 'USA'
```

▶ Execute   🧽 Clear   🪄 Beautify   ✂ Minify

RESULT

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1
112	Signal Gift Stores	King	Jean	7025551838	8489 Strong St.
124	Mini Gifts Distributors Ltd.	Nelson	Susan	4155551450	5677 Strong St.
129	Mini Wheels Co.	Murphy	Julie	6505555787	5557 North Pendale

Query _2

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EXAMPLES **SAMPLE DATABASE**

#1

SELECT lastName
FROM employees;

#2

SELECT
    lastname,
    firstname,
    jobtitle
FROM
    employees;

#3

SELECT * FROM employees;

SQL QUERY

```
1  SELECT creditLimit , creditLimit + 2000 AS new_credit
2  FROM customers
3  order by new_credit DESC
```

▶ Execute   ◪ Clear   🪄 Beautify   ⤢ Minify

RESULT

creditLimit	new_credit
227600.00	229600.00
210500.00	212500.00
141300.00	143300.00

Query _3

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EXAMPLES   **SAMPLE DATABASE**

#1
SELECT lastName
FROM employees;

#2
SELECT
    lastname,
    firstname,
    jobtitle
FROM
    employees;

#3
SELECT * FROM employees;

SQL QUERY

```
1  SELECT creditLimit
2  FROM customers
3  LIMIT 3
```

▶ Execute   🩹 Clear   ✏ Beautify   ✂ Minify

RESULT

creditLimit
21000.00
71800.00
117300.00

An abbreviation of Regular Expressions, and its literal meaning is regular expressions. They depend on the so-called pattern and can be called regex or regexp. It is a method used in describing texts to search and match within the text or sentences to make a comparison on them and then extract them or verify their validity. For example, if you want to delete all the spaces in a file, you can do it by manually searching in the file and deleting all the spaces that you find, or To build a script that contains a huge number of If conditions and loops and check each character for whether it is a space or not, and the last solution is by using the Regex, you can do all of the above with one simple phrase that does not exceed one line, using regular expressions saves you time And a huge effort, especially in dealing with large texts, you can use this technique with many languages such as Java, PHP, Python, C, JavaScript and others.
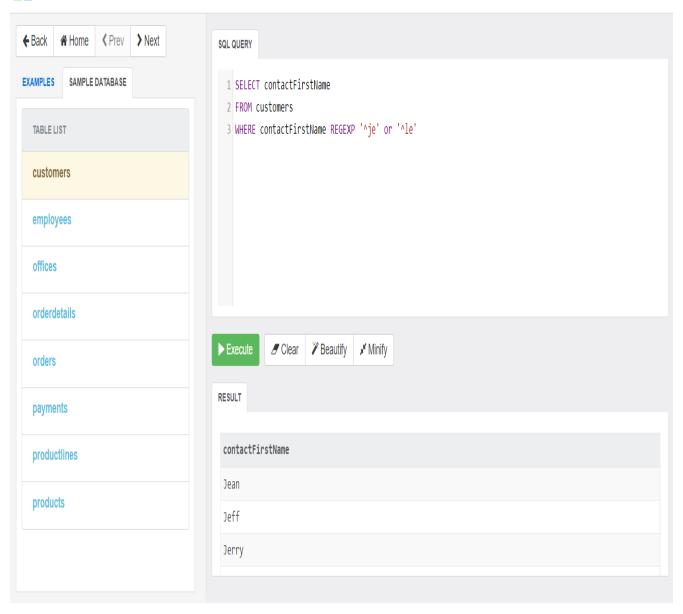
basic symbols

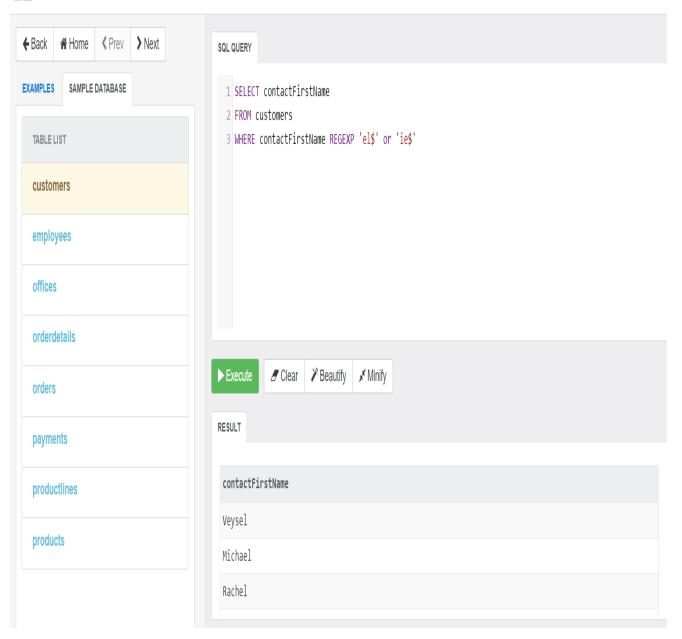The Regex consists of several symbols that you can use to implement your expression.

	Metacharacter	Metacharacter name	Meaning
1	^	caret	denote the beginning of a regular expression
2	$	Dollar sign	denote the end of a regular expression or ending of a line
3	[]	Square bracket	check for any single character in the character set specified in []
4	()	Parenthesis	Check for a string. Create and store variables.
5	?	Question mark	check for zero or one occurrence of the preceding character
6	+	Plus sign	check for one or more occurrence of the preceding character
7	*	Multiply sign	check for any number of occurrences (including zero occurrences) of the preceding character.
8	.	Dot	check for a single character which is not the ending of a line
9	|	Pipe symbol	Logical OR
10	\	Escaping character	escape from the normal way a subsequent character is interpreted.
11	!	Exclamation symbol	Logical NOT
12	{}	Curly Brackets	Repeat preceding character

Regex_1

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EXAMPLES   SAMPLE DATABASE

SQL QUERY

```
1  SELECT contactFirstName
2  FROM customers
3  WHERE contactFirstName REGEXP '^je' or '^le'
```

TABLE LIST

customers

employees

offices

orderdetails

orders

payments

productlines

products

Execute   Clear   Beautify   Minify

RESULT

contactFirstName
Jean
Jeff
Jerry

Regex_2

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EXAMPLES **SAMPLE DATABASE**

TABLE LIST

customers

employees

offices

orderdetails

orders

payments

productlines

products

SQL QUERY

```
1 SELECT contactFirstName
2 FROM customers
3 WHERE contactFirstName REGEXP 'el$' or 'ie$'
```

▶ Execute   ✎ Clear   ✏ Beautify   ✄ Minify

RESULT

contactFirstName
Veysel
Michael
Rachel

Regex_3

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EXAMPLES · SAMPLE DATABASE

TABLE LIST

- customers
- employees
- offices
- orderdetails
- orders
- payments
- productlines
- products

SQL QUERY

```
1  SELECT contactFirstName
2  FROM customers
3  WHERE contactFirstName REGEXP 'bg|ba'
```

▶ Execute · 🧽 Clear · 🪄 Beautify · ⚡ Minify

RESULT

contactFirstName