REGULAR EXPRESSION in MySQL

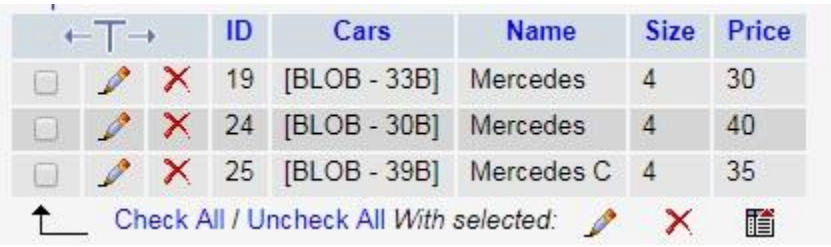
MySQL **REGEXP** performs a pattern match of a string expression against a pattern. The pattern is supplied as an argument.

If the pattern finds a match in the expression, the function returns **TRUE**, else it returns **FALSE**.

If either expression or pattern is **NULL**, the functions returns **NULL**.

Example 1:

The following MySQL statement will find the car's **name** in the **standard_cars** table that begins with the character '**M**'. The **caret** sign '**^**' is used to match the beginning of the name.

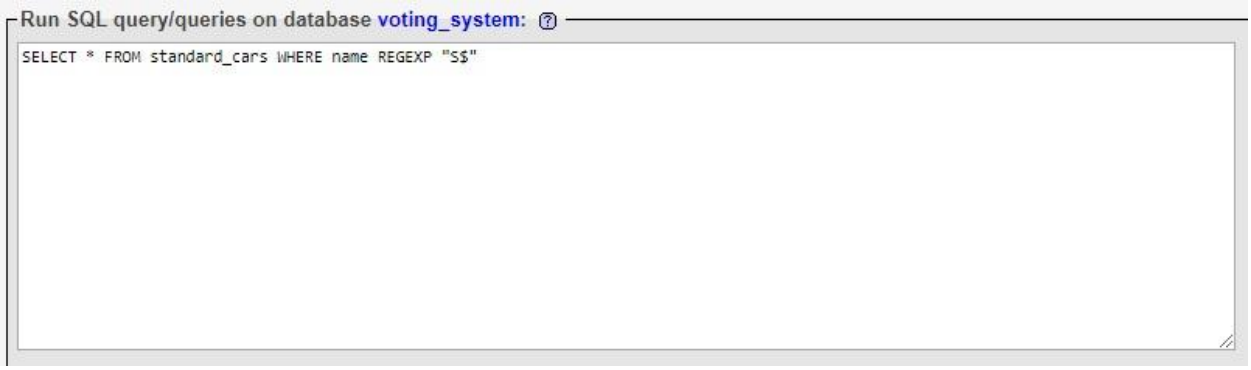


	ID	Cars	Name	Size	Price
	19	[BLOB - 33B]	Mercedes	4	30
	24	[BLOB - 30B]	Mercedes	4	40
	25	[BLOB - 39B]	Mercedes C	4	35

Check All / Uncheck All *With selected:*

Example 2:

The following statement will find the car's name ending with the character '**S**'. The '**$**' character is used in this case.

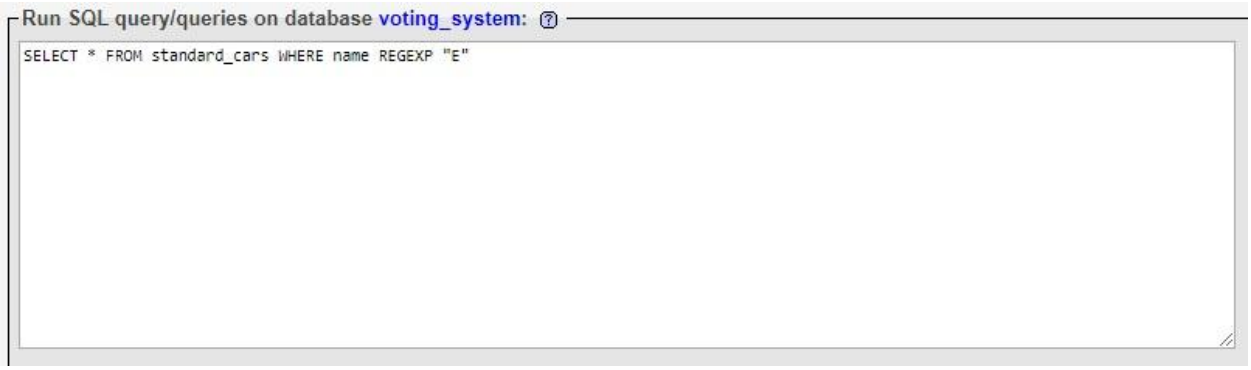


	ID	Cars	Name	Size	Price
	19	[BLOB - 33B]	Mercedes	4	30
	24	[BLOB - 30B]	Mercedes	4	40

Check All / Uncheck All *With selected:*

Example 3:

The following statement will find the car's name containing the character '**E**' within it.



	ID	Cars	Name	Size	Price
	19	[BLOB - 33B]	Mercedes	4	30
	20	[BLOB - 42B]	Alfa Romeo	4	20
	21	[BLOB - 39B]	Bentley	4	50
	22	[BLOB - 43B]	Roll Royce	4	65
	23	[BLOB - 30B]	Range Rover	4	90
	24	[BLOB - 30B]	Mercedes	4	40
	25	[BLOB - 39B]	Mercedes C	4	35

Check All / Uncheck All *With selected:*

Example 4:

The following statement will find the car's name containing the character '**A**' or '**B**' or '**C**'

Run SQL query/queries on database voting_system:

```
SELECT * FROM standard_cars WHERE name REGEXP "[abc]"
```

	ID	Cars	Name	Size	Price
	19	[BLOB - 33B]	Mercedes	4	30
	20	[BLOB - 42B]	Alfa Romeo	4	20
	21	[BLOB - 39B]	Bentley	4	50
	22	[BLOB - 43B]	Roll Royce	4	65
	23	[BLOB - 30B]	Range Rover	4	90
	24	[BLOB - 30B]	Mercedes	4	40
	25	[BLOB - 39B]	Mercedes C	4	35

Check All / Uncheck All *With selected:*

Example 5:

The following statement will find the car's name containing characters from '**D**' to '**T**'

Run SQL query/queries on database voting_system:

```
SELECT * FROM standard_cars WHERE name REGEXP "[d-t]"
```

	ID	Cars	Name	Size	Price
	19	[BLOB - 33B]	Mercedes	4	30
	20	[BLOB - 42B]	Alfa Romeo	4	20
	21	[BLOB - 39B]	Bentley	4	50
	22	[BLOB - 43B]	Roll Royce	4	65
	23	[BLOB - 30B]	Range Rover	4	90
	24	[BLOB - 30B]	Mercedes	4	40
	25	[BLOB - 39B]	Mercedes C	4	35

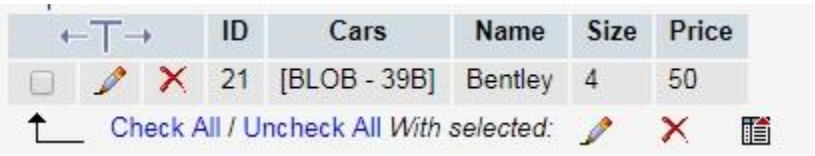
Check All / Uncheck All *With selected:*

Example 6:

The following statement will find the car's name containing exactly seven (7) characters. Use '**^**' and '**$**' match the beginning and ending of the name and seven (7) instances of '**.**'

Run SQL query/queries on database voting_system:

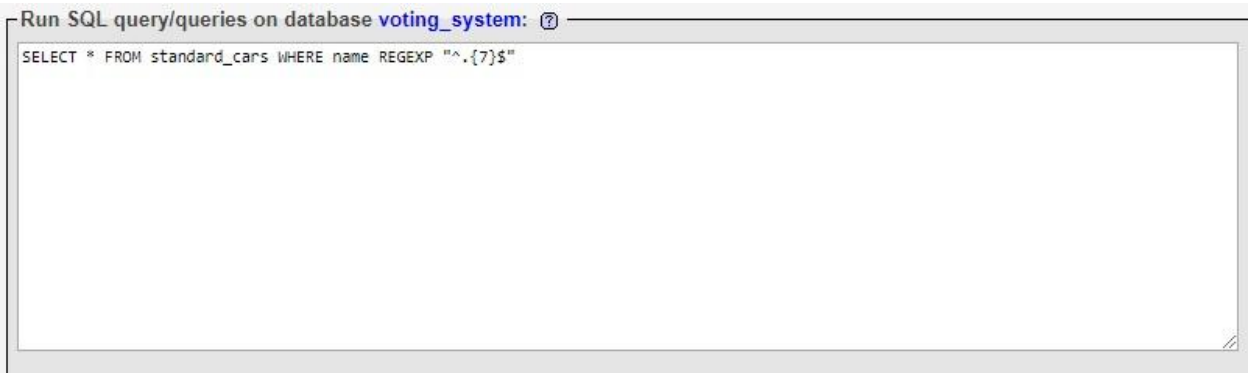
```
SELECT * FROM standard_cars WHERE name REGEXP "^.......$"
```

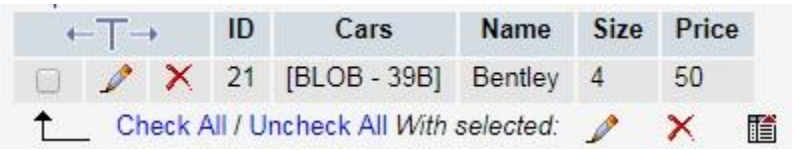


ID	Cars	Name	Size	Price
21	[BLOB - 39B]	Bentley	4	50

Check All / Uncheck All *With selected:*

Or you can write the query as in the screenshot below:





ID	Cars	Name	Size	Price
21	[BLOB - 39B]	Bentley	4	50

Check All / Uncheck All *With selected:*