

SELECT names

Language: English · 日本語 · 中文

name	continent
Afghanistan	Asia
Albania	Europe
Algeria	Africa
Andorra	Europe
Angola	Africa
....	

Pattern Matching Strings

This tutorial uses the **LIKE** operator to check names. We will be using the SELECT command on the table **world**:

1. 😊

You can use WHERE name LIKE 'B%' to find the countries that start with "B".

- The % is a *wild-card* it can match any characters

Find the country that start with Y

```
SELECT name FROM world
WHERE name LIKE 'Y%'
```

Submit SQL

Restore default

Correct answer

name
Yemen

2.



Find the countries that end with y

```
SELECT name FROM world
WHERE name LIKE '%y'
```

Submit SQL

Restore default

Correct answer

name
Turkey
Germany
Hungary
Italy
Norway
Vatican City
Paraguay
Uruguay

3.



Luxembourg has an x - so does one other country. List them both.

Find the countries that contain the letter x

```
SELECT name FROM world
WHERE name LIKE '%x%'
```

Submit SQL

Restore default

Correct answer

name
Luxembourg
Mexico

4. 😊

Iceland, Switzerland end with **land** - but are there others?

Find the countries that end with land

```
SELECT name FROM world
WHERE name LIKE '%land'
```

Submit SQL

Restore default

Correct answer

name
Swaziland
Thailand
Finland
Iceland
Ireland
Poland
Switzerland
New Zealand

5. 😊

Columbia starts with a **C** and ends with **ia** - there are two more like this.

Find the countries that start with C and end with ia

```
SELECT name FROM world
WHERE name LIKE 'C%ia'
```

Submit SQL

Restore default

Correct answer

name
Cambodia
Colombia
Croatia

6. 😊

Greece has a double **e** - who has a double **o**?

Find the country that has oo in the name

```
SELECT name FROM world
WHERE name LIKE '%oo%'
```

Submit SQL

Restore default

Correct answer

name
Cameroon

7.



Bahamas has three **a** - who else?

Find the countries that have three or more a in the name

```
SELECT name FROM world
WHERE name LIKE '%a%a%a%'
```

Submit SQL

Restore default

Correct answer

name
Central African Republic
Equatorial Guinea
Madagascar
Mauritania
Tanzania
Afghanistan
Azerbaijan
Malaysia
Saudi Arabia
United Arab Emirates

8.



India and Angola have an **n** as the second character. You can use the underscore as a single character wildcard.

```
SELECT name FROM world
WHERE name LIKE '_n%'
ORDER BY name
```

Find the countries that have "t" as the second character.

```
SELECT name FROM world
WHERE name LIKE '_t%'
ORDER BY name
```

Submit SQL

Restore default

Correct answer

name
Ethiopia
Italy

9. 😊

Lesotho and Moldova both have two o characters separated by two other characters.

Find the countries that have two "o" characters separated by two others.

```
SELECT name FROM world
WHERE name LIKE '%o__o%'
```

Submit SQL

Restore default

Correct answer

name
Congo, Democratic Republic of
Congo, Republic of
Lesotho
Morocco
Sao Tomé and Príncipe
Mongolia
Moldova

10. 😊

Cuba and Togo have four characters names.

Find the countries that have exactly four characters.

```
SELECT name FROM world
WHERE name LIKE '_____'
```

Submit SQL

Restore default

Correct answer

name
Chad
Mali
Togo
Iran
Iraq
Laos
Oman
Cuba
Fiji

Play Find the Duplicates (<https://sqlzoo.net/brain/bt.htm>)

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Find the Duplicates Game

Harder Questions

Well done for getting this far.

The next questions are optional and only for students who are finding the basic questions too easy.

11. 😊

The capital of **Luxembourg** is **Luxembourg**. Show all the countries where the capital is the same as the name of the country

Find the country where the name is the capital city.

```
SELECT name
FROM world
WHERE name = capital;
```

Submit SQL

Restore default

Correct answer

name
Djibouti
Luxembourg
San Marino
Singapore

12. 😊

The capital of **Mexico** is **Mexico City**. Show all the countries where the capital has the country together with the word "City".

Find the country where the capital is the country plus "City".

The concat function

```
SELECT name
FROM world
WHERE capital LIKE Concat(name, ' City');
```

Submit SQL

Restore default

Correct answer

name
Guatemala
Kuwait
Mexico
Panama

13. 😊

Find the capital and the name where the capital includes the name of the country.

```
SELECT capital, name FROM world WHERE capital LIKE Concat('%',name,'%');
```

Submit SQL

Restore default

Correct answer

capital	name
Andorra la Vella	Andorra
Djibouti	Djibouti
Guatemala City	Guatemala
Kuwait City	Kuwait
Luxembourg	Luxembourg
Mexico City	Mexico
Monaco-Ville	Monaco
Panama City	Panama
San Marino	San Marino

14. 😊

Find the capital and the name where the capital is an extension of name of the country.

You *should* include **Mexico City** as it is longer than **Mexico**. You *should not* include **Luxembourg** as the capital is the same as the country.

```
SELECT capital, name FROM world WHERE capital LIKE Concat(name,'%') AND capital > name;
```

Submit SQL

Restore default

Correct answer

capital	name
Andorra la Vella	Andorra
Guatemala City	Guatemala
Kuwait City	Kuwait
Mexico City	Mexico
Monaco-Ville	Monaco
Panama City	Panama

15. 😊

For **Monaco-Ville** the name is **Monaco** and the extension is **-Ville**.

Show the name and the extension where the capital is an extension of name of the country.

You can use the SQL function REPLACE.

```
SELECT name, REPLACE(capital,name,'') FROM world WHERE capital LIKE concat('%', name, '%') AND capital > name;
```

Submit SQL

Restore default

Correct answer

name	REPLACE(capit..
Andorra	la Vella
Guatemala	City
Kuwait	City
Mexico	City
Monaco	-Ville
Panama	City

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Vancouver Symphony

