

SELECT names

From SQLZOO

Language:	English • 中文
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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**:

Summary

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
Kazakhstan
Malaysia

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

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

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 capital LIKE name
```

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 '%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 'name%'
```

Submit SQL

Restore default

Wrong answer. Too few rows

capital	name
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[Show what the answer should be...](#)

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.

Submit SQL

Restore default

result

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.

Submit SQL

Restore default

result

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