

# SELECT names

Language:	English • 日本語 • 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**:

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# 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

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## 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
X

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# 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

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# 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
Swaziland

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# 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

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# 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

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# 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
Sao Tomé and Príncipe
Tanzania
Afghanistan
...

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# 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

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# 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 Tomã© and PrÃncipe
Mongolia
Moldova

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# 10.

Cuba and Togo have four characters names.

**Find the countries that have exactly four characters.**

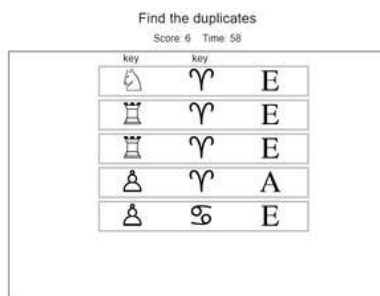
```
SELECT name FROM world
WHERE name LIKE '_____'
```

[Submit SQL](#)[restore default](#)

## Correct answer

name
Chad
Mali
Togo
Iran
Iraq
Laos
Oman
Sri Lanka

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



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 LIKE 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 = 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
Singapore	Singapore

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# 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
CHAR_LENGTH(capital) > CHAR_LENGTH(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

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# 15.

The capital of Monaco is **Monaco-Ville**: this is the name **Monaco** and the extension is **-Ville**.

**Show the name and the extension where the capital is a proper (non-empty) extension of name of the country.**

You can use the SQL function REPLACE.