

# 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     |
|----------|
| Germany  |
| Hungary  |
| Italy    |
| Norway   |
| Paraguay |
| Turkey   |
| 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                |
|---------------------|
| Finland             |
| Iceland             |
| New Zealand         |
| Poland              |
| Republic of Ireland |
| Switzerland         |
| Thailand            |

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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                     |
|--------------------------|
| Afghanistan              |
| Albania                  |
| Antigua and Barbuda      |
| Australia                |
| Azerbaijan               |
| Bosnia and Herzegovina   |
| Canada                   |
| Central African Republic |
| Equatorial Guinea        |

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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                             |
|----------------------------------|
| Democratic Republic of the Congo |
| Lesotho                          |
| Moldova                          |
| Mongolia                         |
| Morocco                          |
| Republic of the Congo            |
| São Tomé and Príncipe            |

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# 10.

Cuba and Togo have four characters names.

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

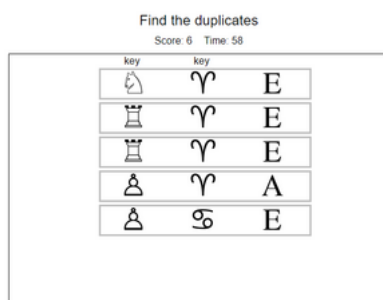
```
SELECT name FROM world
WHERE length (name)=4
```

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

## Correct answer

| name |
|------|
| Chad |
| Cuba |
| Fiji |
| Iran |
| Iraq |
| Laos |
| Mali |
| Oman |
| Peru |

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, capital, continent
FROM world
WHERE name LIKE '%x%'
```

Submit SQL

restore default

## Result:

| name       | capital     | continent     |
|------------|-------------|---------------|
| Luxembourg | Luxembourg  | Europe        |
| Mexico     | Mexico City | North America |

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

# 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*

Submit SQL

restore default

## Wrong answer. Too many columns

| name                   | concat(name)           |
|------------------------|------------------------|
| Argentina              | Argentina              |
| Bosnia and Herzegovina | Bosnia and Herzegovina |
| Burkina Faso           | Burkina Faso           |
| China                  | China                  |
| Suriname               | Suriname               |

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

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# 13.

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

Submit SQL

restore default

result

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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.

Submit SQL[restore default](#)

result

# 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.

Submit SQL

restore default

result

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