

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 |
| ... |

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%';
```

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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'
```

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[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%'
```

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[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 |
| Sao Tomé and Príncipe |
| Tanzania |
| Afghanistan |
| ... |

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 '_n%'
ORDER BY name
```

[Submit SQL](#)

[restore default](#)

result

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 Tom  and Pr ncipe |
| 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 |
| Qatar |

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

| Find the duplicates | | |
|---------------------|---|---|
| Score 6 Time 58 | | |
| key | γ | E |
| key | γ | E |
| key | γ | E |
| key | γ | A |
| key | ¤ | E |

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 = 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.