

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**:

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

result

2.

Find the countries that end with y

```
select name from world where name like'%y'
```

Submit SQL

[restore default](#)

result

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](#)

result

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](#)

result

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](#)

result

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](#)

result

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](#)

result

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%';
```

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

result

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](#)

result

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

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.

Find the duplicates
Score 6 Time 58

key	key	key
ꝑ	ꝑ	E
ꝑ	ꝑ	E
ꝑ	ꝑ	E
ꝑ	ꝑ	A
ꝑ	ꝑ	E

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.

Find the Duplicates Game

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

Submit SQL

[restore default](#)

result

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](#)

result

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](#)

result

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, '_', '%');
```

[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.

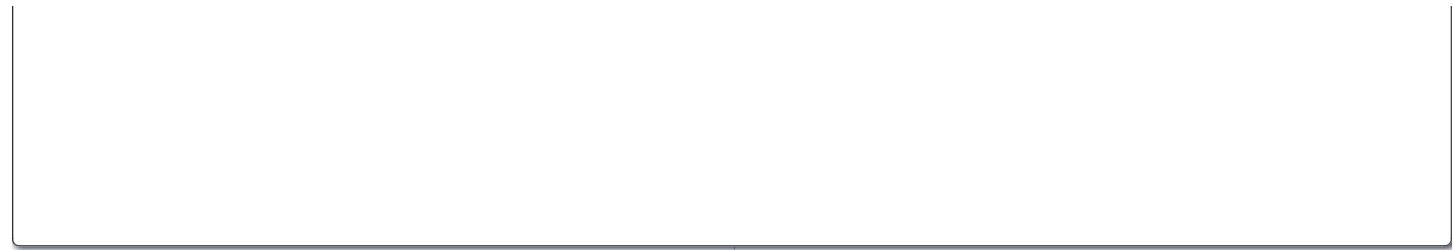
You can use the SQL function REPLACE.

```
select name,replace(capital,name) from world where name like '%','name','%';
```

[Submit SQL](#)

[restore default](#)

result



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