

# 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
....	

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## 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

---

## 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
Yemen

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
Switzerland

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

---

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 '_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
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
Sri Lanka

## Play Find the Duplicates

Find the duplicates

Score: 6 Time: 58

key	key	
	♞	E
	♞	E
	♞	E
	♞	A
	♞	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.

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# 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 concat(name, ' City') = capital
```

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
Porto	Portugal

---

# 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 capital <> 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

---

# 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 capital <> name and capital like concat('%',name,'%')
```

Submit SQL

restore default

## Correct answer

name	replace(capital,name,'')
Andorra	la Vella
Guatemala	City
Kuwait	City
Mexico	City
Monaco	-Ville
Panama	City

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