

Review of SQL SELECT Statements

Terminology

Directions: Identify the vocabulary word for each definition below:

1. _____ Operator used to select and display rows based on a range of values.
2. _____ to connect or link together in a series
3. _____ A condition allowing you to select rows that match either literal strings or number patterns.
4. _____ Keyword used to eliminate duplicate rows from the output of a SQL statement.
5. _____ Condition used to test whether a value is in a specified set of values.

Try It/Solve It Questions

1. Display a list of all country names and their lowest and highest elevations from the wf_countries table. Display the highest elevation as HIGH, and the lowest elevation as “low point.” Sort results by country name.
2. Which country has a lowest_elevation > 1000 and a highest_elevation < 5000?
3. Calculate the projected population growth for each country in the wf_countries table by multiplying population by population growth rate. Display the calculated value as PROJECTION.
4. Display the list of national holiday names from the wf_countries table. Eliminate duplicate names. Display the output in ascending alphabetic sequence.
5. What SQL statement will return the following? (Use the country_id in the WHERE clause.)

SENTENCE
The capital of Republic of Uzbekistan is Tashkent

6. Display the countries that have an “s” as the third letter of their names.
7. Write a SQL statement that will give you the same results as:

```
SELECT country_name, area
FROM wf_countries
WHERE area BETWEEN 100 AND 200;
```

8. Write a SQL statement that will give you the same results as:

```
SELECT region_id, country_name
FROM wf_countries
WHERE region_id = 1 OR region_id = 7 OR region_id = 10;
```

9. Write a SQL statement that will return data that looks like this:

COUNTRY	NATIONAL HOLIDAY
United Arab Emirates	Independence Day is 2-Dec
Republic of Azerbaijan	Founding of the Democratic Republic of Azerbaijan is 28-May
Republic of Armenia	Independence Day is 21-Sep
Commonwealth of Australia	Australia Day is 26-Jan
Republic of Austria	National Day is 26-Oct
Antarctica	is
Republic of Botswana	Independence Day is 30-Sep
Kingdom of Belgium	is 21-Jul
Peoples Republic of Bangladesh	Independence Day is 26-Mar
Republic of Bulgaria	Liberation Day is 3-Mar
Canada	Canada Day is 1-Jul
Republic of Chad	Independence Day is 11-Aug
Peoples Republic of China	Anniversary of the Founding of the Peoples Republic of China is 1-Oct
Republic of Chile	Independence Day is 18-Sep
Territory of Cocos (Keeling) Islands	Australia Day is 26-Jan
Republic of Colombia	Independence Day is 20-Jul
Republic of Cuba	Independence Day is 20-May
Paracel Islands	is
Spratly Islands	is
Republic of Poland	Constitution Day is 3-May

10. Due to a successful global health program, the life expectancy at birth will increase by 7 years for countries whose median ages are below 20. Display the current and increased life expectancy for these countries in the wf_countries table. Name the calculated column "Improved Expectancy."