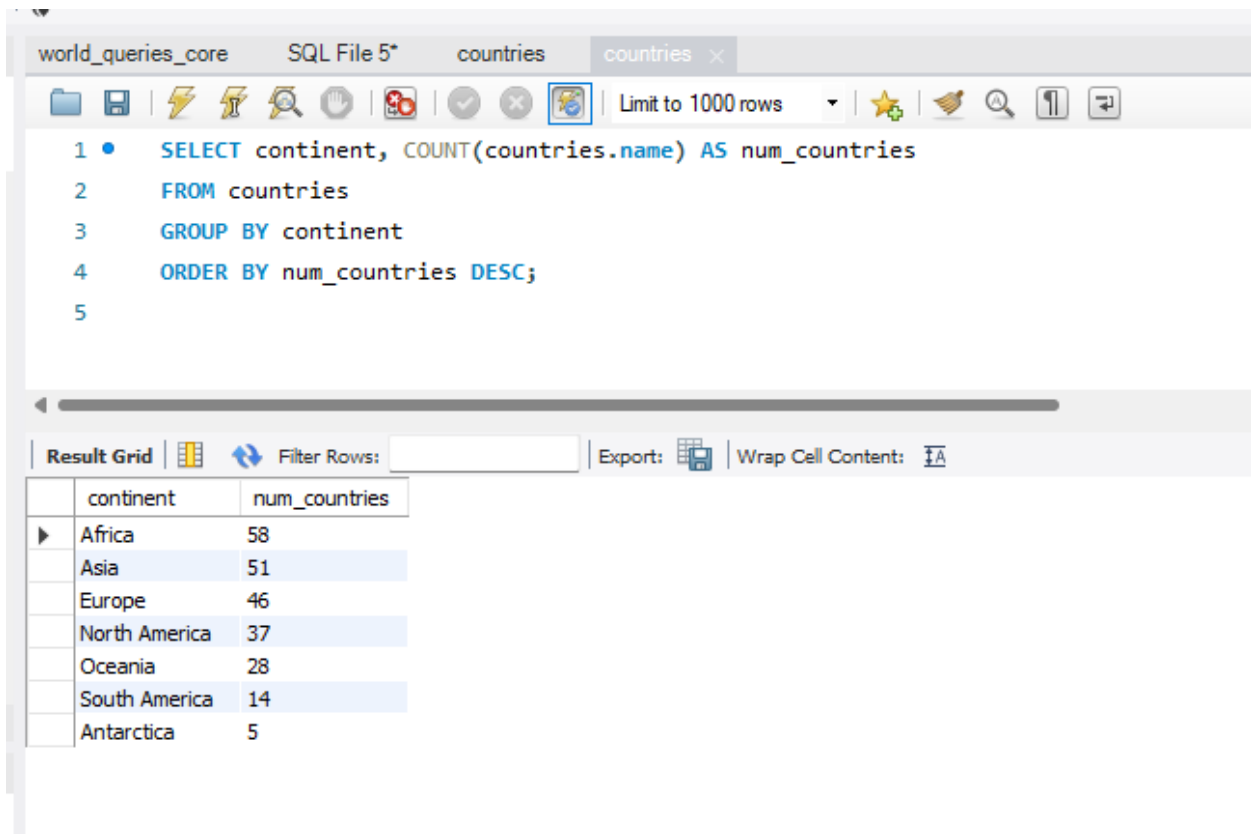


Queries

1. What query would you run to summarize the number of countries in each continent?

The query should display the name of the continent and the number of countries. Also, the query should arrange the result by the number of countries in descending order.



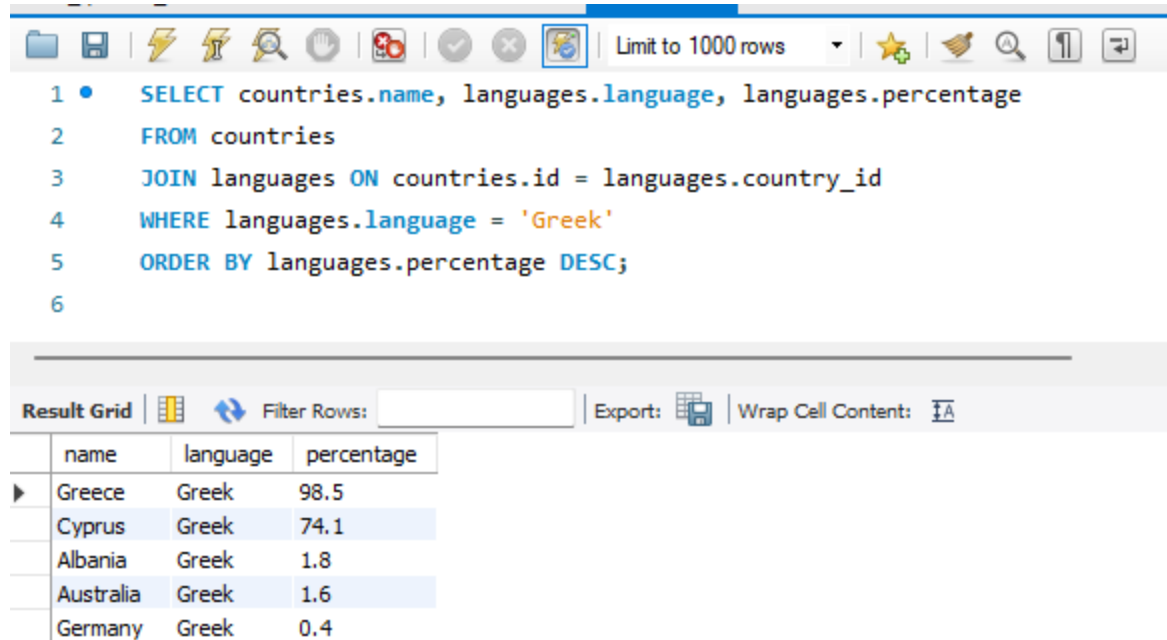
The screenshot shows a SQL query editor with a query window titled 'countries' and a result grid below it. The query is as follows:

```
1 • SELECT continent, COUNT(countries.name) AS num_countries
2 FROM countries
3 GROUP BY continent
4 ORDER BY num_countries DESC;
5
```

The result grid displays the following data:

continent	num_countries
Africa	58
Asia	51
Europe	46
North America	37
Oceania	28
South America	14
Antarctica	5

2. What query would you run to get all the countries that speak Greek? Your query should return the name of the country, language, and language percentage. Your query should arrange the result by language percentage in descending order.



The screenshot shows a SQL query editor interface. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The query text is as follows:

```
1 • SELECT countries.name, languages.language, languages.percentage
2 FROM countries
3 JOIN languages ON countries.id = languages.country_id
4 WHERE languages.language = 'Greek'
5 ORDER BY languages.percentage DESC;
6
```

Below the query editor is the 'Result Grid' section, which includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The results are displayed in a table with the following data:

	name	language	percentage
▶	Greece	Greek	98.5
	Cyprus	Greek	74.1
	Albania	Greek	1.8
	Australia	Greek	1.6
	Germany	Greek	0.4

3. What query would you run to get all the countries with Surface Area less than 1000 OR a population greater than 100,000,000? Include the country name, surface area, and population in your results.

The screenshot shows a SQL IDE window with a query editor and a result grid. The query editor contains the following SQL query:

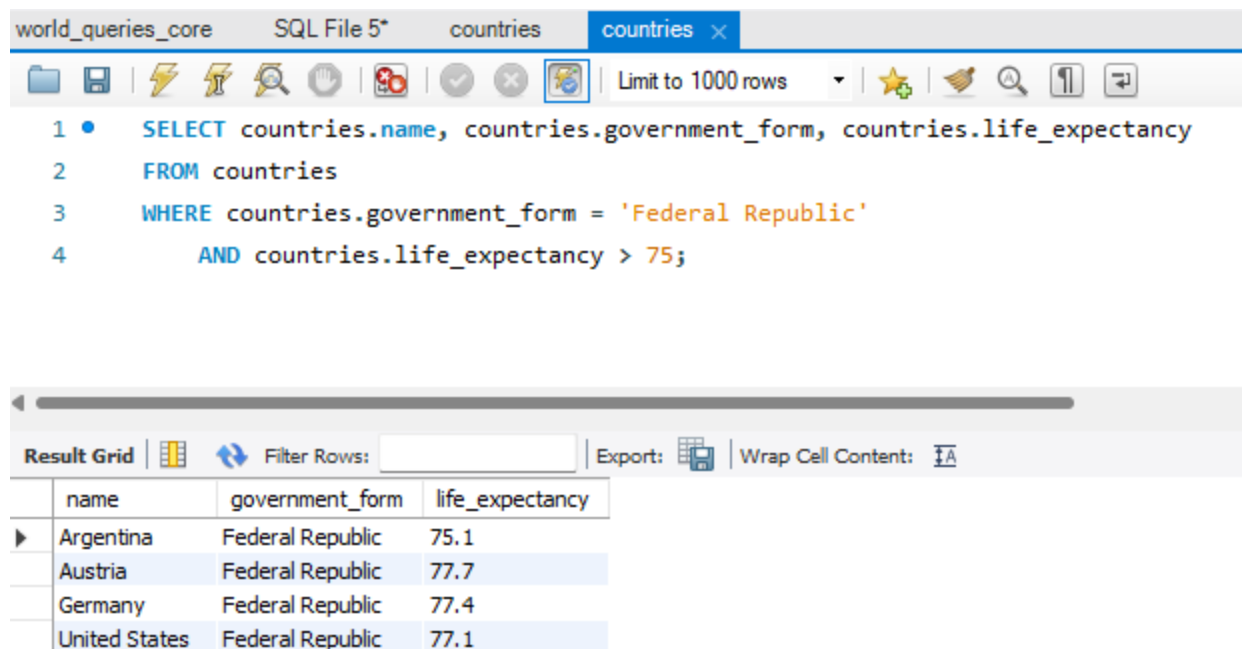
```
1 • SELECT countries.name, countries.surface_area, countries.population
2 FROM countries
3 WHERE countries.surface_area < 1000 AND countries.population > 100000;
4
5
```

The result grid displays the following data:

name	surface_area	population
Aruba	193.00	103000
Netherlands Antilles	800.00	217000
Bahrain	694.00	617000
Barbados	430.00	270000
Micronesia, Federated States of	702.00	119000
Guam	549.00	168000
Saint Lucia	622.00	154000
Macao	18.00	473000
Maldives	298.00	286000
Malta	316.00	380200
Mayotte	373.00	149000
Singapore	618.00	3567000
Sao Tome and Principe	964.00	147000
Saint Vincent and the Grenadines	388.00	114000

Below the result grid, there is a tab labeled "countries 19" with a close button (X).

4. What query would you run to get countries with a government form of “Federal Republic” with a life expectancy of less than 75 years? Include the country name, form of government, and life expectancy in the results.



The screenshot shows a SQL IDE interface. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The SQL editor contains the following query:

```
1 • SELECT countries.name, countries.government_form, countries.life_expectancy
2 FROM countries
3 WHERE countries.government_form = 'Federal Republic'
4 AND countries.life_expectancy > 75;
```

Below the editor is the 'Result Grid' section, which includes a 'Filter Rows' input and an 'Export' button. The results are displayed in a table with the following data:

	name	government_form	life_expectancy
▶	Argentina	Federal Republic	75.1
	Austria	Federal Republic	77.7
	Germany	Federal Republic	77.4
	United States	Federal Republic	77.1

5. What query would you run to get all the cities of Mexico inside the Veracruz district and have a population greater than 100,000? The query should return the Country Name, City Name, District, and Population.

The screenshot shows a SQL IDE interface with a query editor and a results grid. The query editor contains the following SQL code:

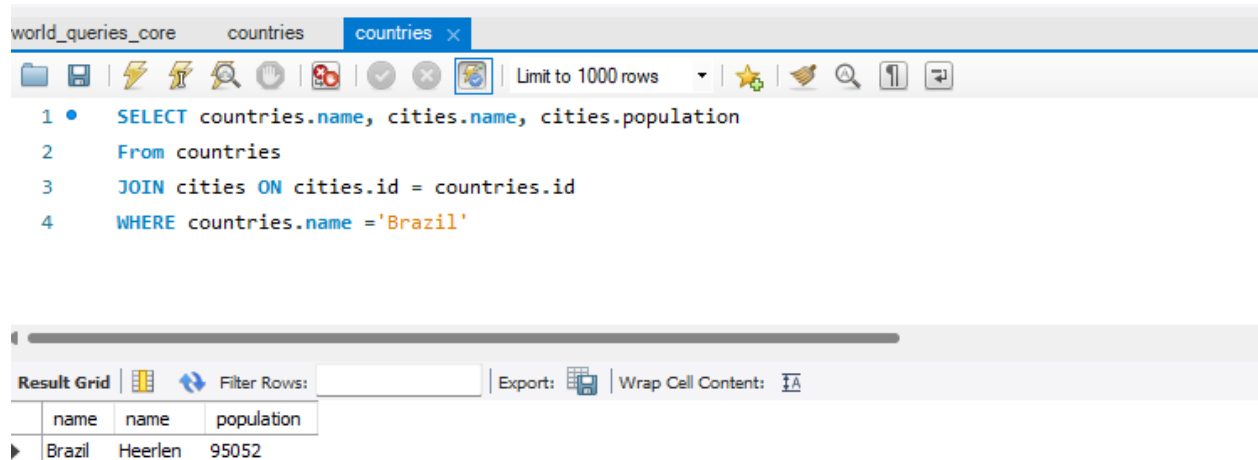
```
1 • SELECT countries.name, cities.name, cities.district, cities.population
2 FROM countries
3 JOIN cities ON countries.id = cities.country_id
4 WHERE countries.name = 'Mexico'
5       AND cities.district = 'Veracruz'
6       AND cities.population > 100000;
```

The results grid displays the following data:

	name	name	district	population
▶	Mexico	Veracruz	Veracruz	457119
	Mexico	Xalapa	Veracruz	390058
	Mexico	Coatzacoalcos	Veracruz	267037
	Mexico	Córdoba	Veracruz	176952
	Mexico	Papantla	Veracruz	170123
	Mexico	Minatitlán	Veracruz	152983
	Mexico	Poza Rica de Hidalgo	Veracruz	152678
	Mexico	San Andrés Tuxtla	Veracruz	142251
	Mexico	Táxpam	Veracruz	126475
	Mexico	Martínez de la Torre	Veracruz	118815
	Mexico	Orizaba	Veracruz	118488
	Mexico	Temapache	Veracruz	102824

Below the results grid, there is a section labeled "Result 23" and an "Output" area.

6. What query would you run to get all the ten cities in Brazil with the smallest population? Your query should include the country name, city name, and population. Arrange the result by population in ascending order. Limit the result to the 10 cities with the smallest population.



The screenshot shows a database query editor with a toolbar at the top. The query is as follows:

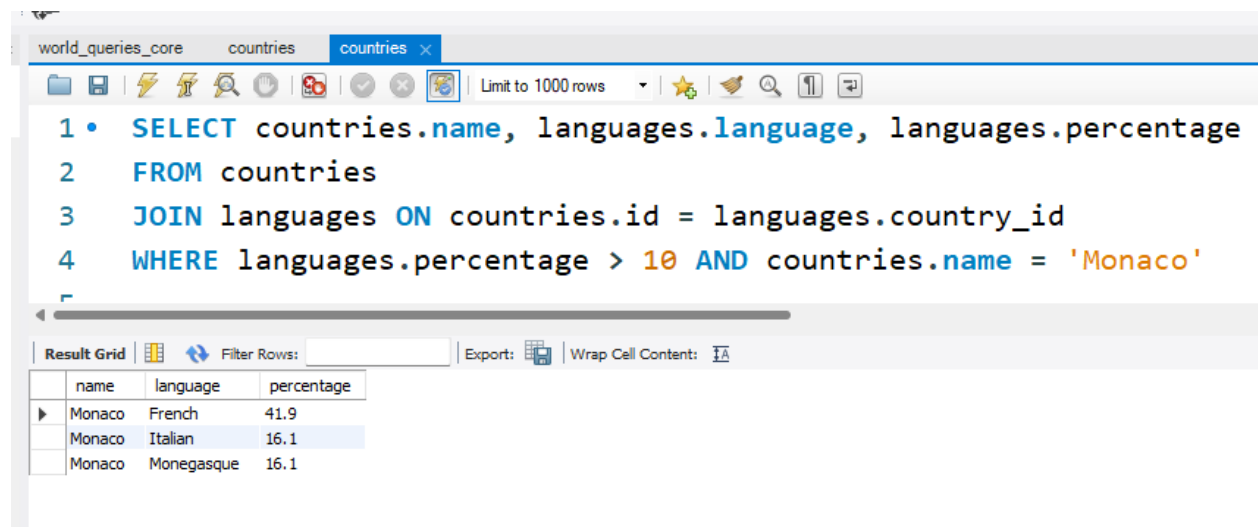
```
1 • SELECT countries.name, cities.name, cities.population
2   FROM countries
3   JOIN cities ON cities.id = countries.id
4   WHERE countries.name = 'Brazil'
```

Below the query, the "Result Grid" is displayed with the following data:

	name	name	population
▶	Brazil	Heerlen	95052

7. What query would you run to get all languages spoken greater than 10% in Monaco?

Display the country name, language, and percentage.



The screenshot shows a database query editor with a toolbar at the top. The query is as follows:

```
1 • SELECT countries.name, languages.language, languages.percentage
2   FROM countries
3   JOIN languages ON countries.id = languages.country_id
4   WHERE languages.percentage > 10 AND countries.name = 'Monaco'
```

Below the query, the "Result Grid" is displayed with the following data:

	name	language	percentage
▶	Monaco	French	41.9
	Monaco	Italian	16.1
	Monaco	Monegasque	16.1