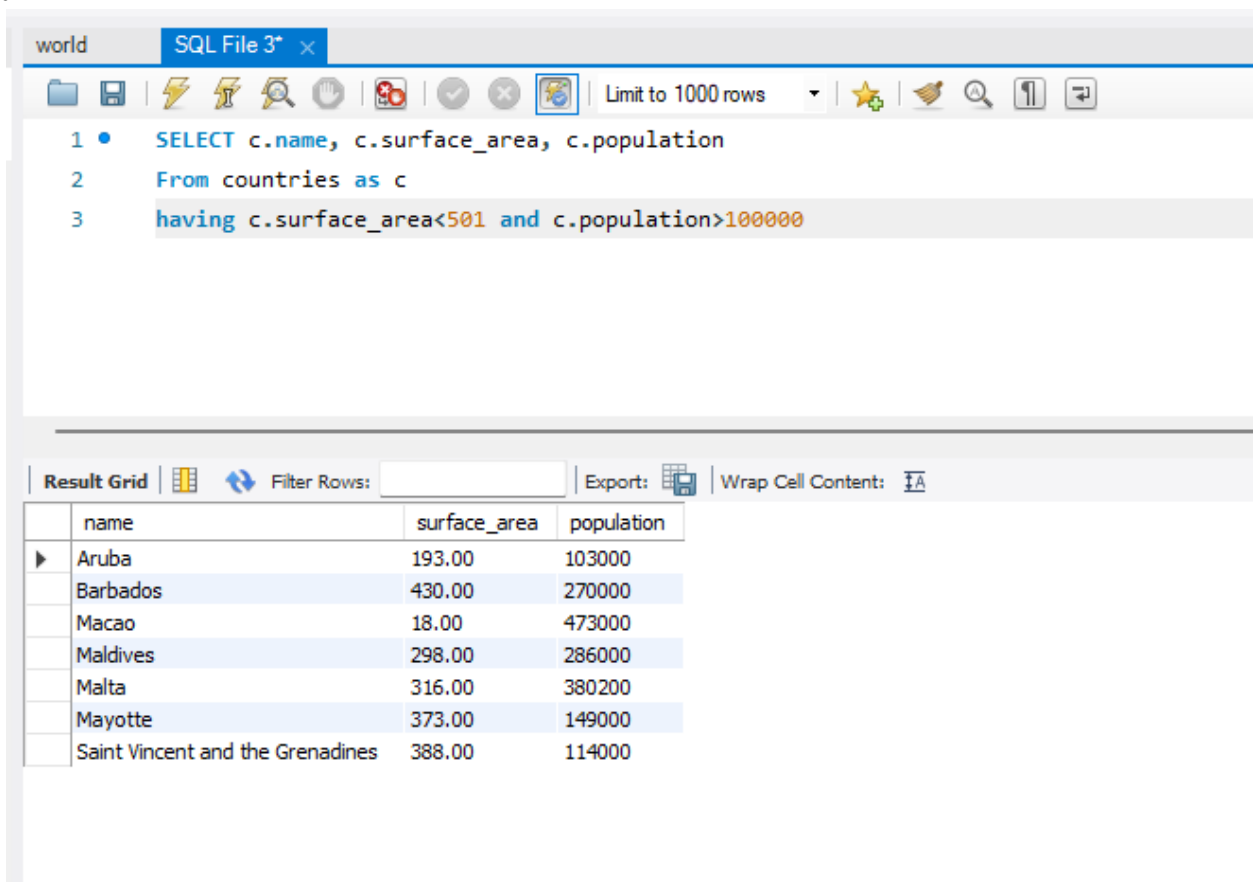


1. What query would you run to get all the countries with a Surface Area below 501 and a Population greater than 100,000? Include the country name, surface area, and population in your results.



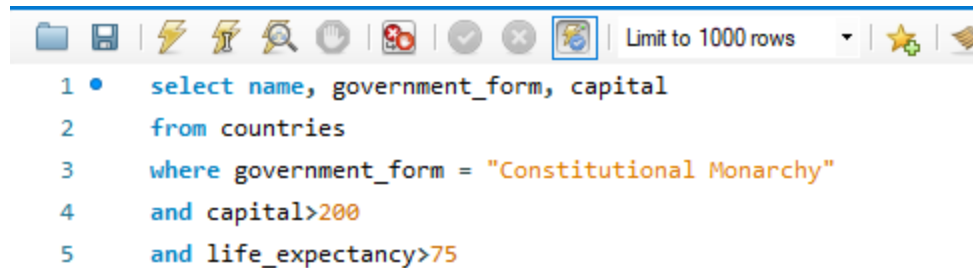
The screenshot shows a SQL IDE window titled "world" with a tab "SQL File 3* x". The query editor contains the following SQL query:

```
1 • SELECT c.name, c.surface_area, c.population
2   From countries as c
3   having c.surface_area<501 and c.population>100000
```

Below the query editor is the "Result Grid" section. It 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	surface_area	population
▶	Aruba	193.00	103000
	Barbados	430.00	270000
	Macao	18.00	473000
	Maldives	298.00	286000
	Malta	316.00	380200
	Mayotte	373.00	149000
	Saint Vincent and the Grenadines	388.00	114000

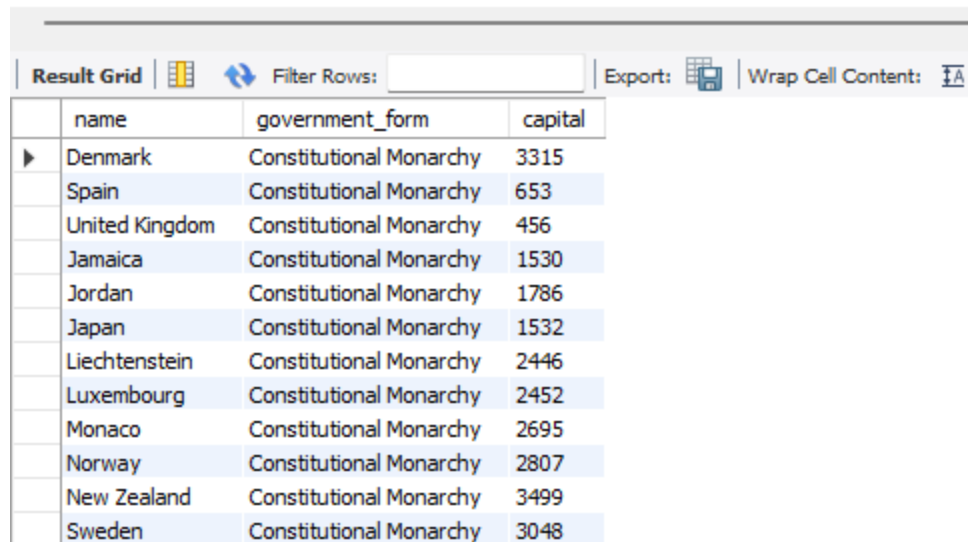
2. What query would you run to get countries with only a Constitutional Monarchy with a capital greater than 200 and a life expectancy greater than 75 years? Include the country name, form of government, and capital in your results.



```

1 • select name, government_form, capital
2   from countries
3  where government_form = "Constitutional Monarchy"
4     and capital > 200
5     and life_expectancy > 75

```

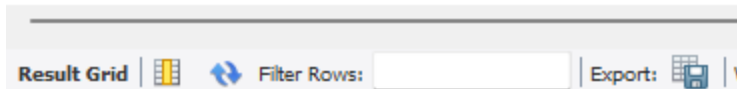


	name	government_form	capital
▶	Denmark	Constitutional Monarchy	3315
	Spain	Constitutional Monarchy	653
	United Kingdom	Constitutional Monarchy	456
	Jamaica	Constitutional Monarchy	1530
	Jordan	Constitutional Monarchy	1786
	Japan	Constitutional Monarchy	1532
	Liechtenstein	Constitutional Monarchy	2446
	Luxembourg	Constitutional Monarchy	2452
	Monaco	Constitutional Monarchy	2695
	Norway	Constitutional Monarchy	2807
	New Zealand	Constitutional Monarchy	3499
	Sweden	Constitutional Monarchy	3048

3. What query would you run to summarize the number of countries in each region? The query should display the name of the region and the number of countries. Also, the query should arrange the result by the number of countries in descending order.

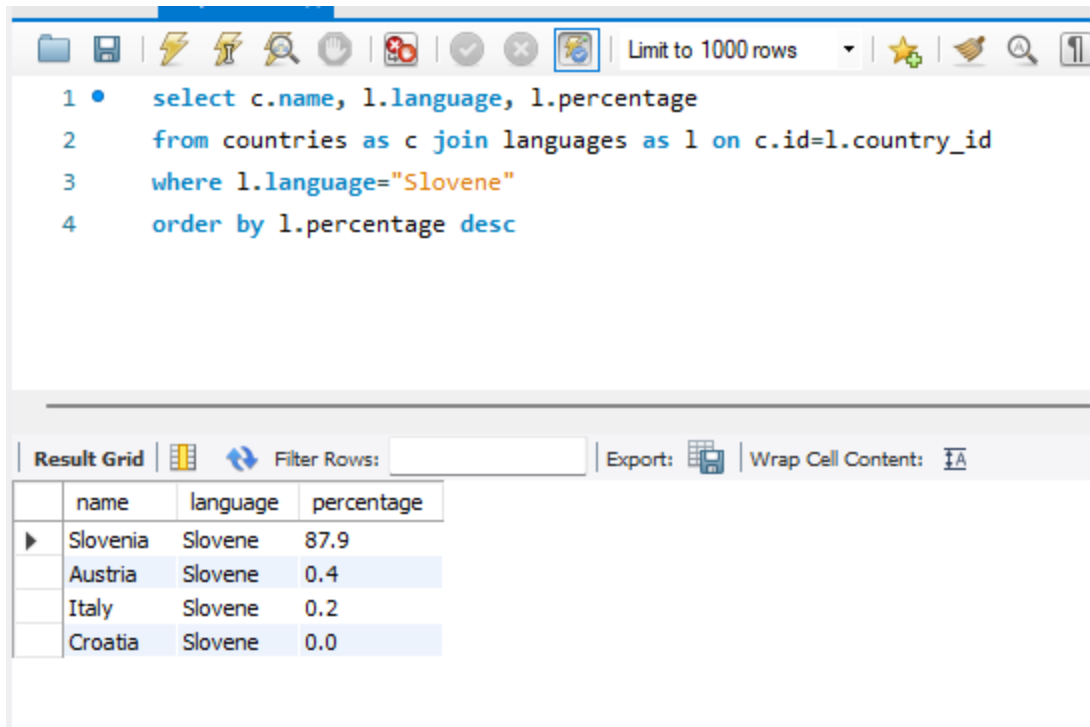


```
1 • select c.region, count(c.id) as count
2   from countries as c
3  group by c.region
4  order by count desc
```



region	count
Caribbean	24
Eastern Africa	20
Middle East	18
Western Africa	17
Southern Europe	15
Southern and Central Asia	14
South America	14
Southeast Asia	11
Polynesia	10
Eastern Europe	10
Central Africa	9
Western Europe	9
Central America	8
Eastern Asia	8
Nordic Countries	7
Northern Africa	7
Micronesia	7
Antarctica	5
Australia and New Zealand	5
North America	5
Southern Africa	5
Melanesia	5
Baltic Countries	3
British Islands	2
Micronesia/Caribbean	1

4. What query would you run to get all the countries that speak Slovene? 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 database query editor interface. At the top, there is a toolbar with various icons for file operations, execution, and search. Below the toolbar, a SQL query is entered in a text area. The query is as follows:

```
1 • select c.name, l.language, l.percentage
2   from countries as c join languages as l on c.id=l.country_id
3   where l.language="Slovene"
4   order by l.percentage desc
```


Below the query editor, there is a section for the results. It includes a "Result Grid" tab, a "Filter Rows" input field, and an "Export" button. The results are displayed in a table with the following data:

	name	language	percentage
▶	Slovenia	Slovene	87.9
	Austria	Slovene	0.4
	Italy	Slovene	0.2
	Croatia	Slovene	0.0

5. What query would you run to display the total number of cities for each country? Your query should return the name of the country and the total number of cities. Your query should arrange the result by the number of cities in descending order.



```
1 • select c.name, count(ci.id) as count
2   from countries as c join cities as ci on c.id=ci.country_id
3   group by c.name
4   order by count desc
```



	name	count
▶	China	363
	India	341
	United States	274
	Brazil	250
	Japan	248
	Russian Federation	189
	Mexico	173
	Philippines	136
	Germany	93
	Indonesia	85
	United Kingdom	81
	South Korea	70
	Iran	67
	Nigeria	64
	Turkey	62
	Spain	59
	Pakistan	59
	Italy	58
	Argentina	57
	Ukraine	57
	Canada	49
	Poland	44
	South Africa	44
	Taiwan	42
	Venezuela	41
	France	40
	Colombia	38

6. What query would you run to get all the cities in Mexico with a population of greater than 500,000? Your query should arrange the result by population in descending order.

Limit to 1000 rows

```

1 • select ci.name, ci.population
2   from countries as c join cities as ci on c.id=ci.country_id
3  where ci.population > 500000 and c.name="Mexico"
4   order by ci.population desc

```

Result Grid
Filter Rows:
Export:
Wrap Cell Content:

	name	population
▶	Ciudad de México	8591309
	Guadalajara	1647720
	Ecatepec de Morelos	1620303
	Puebla	1346176
	Nezahualcóyotl	1224924
	Juárez	1217818
	Tijuana	1212232
	León	1133576
	Monterrey	1108499
	Zapopan	1002239
	Naucalpan de Juárez	857511
	Mexicali	764902
	Culiacán	744859
	Acapulco de Juárez	721011
	Tlalnepantla de Baz	720755
	Mérida	703324
	Chihuahua	670208
	San Luis Potosí	669353
	Guadalupe	668780
	Toluca	665617
	Aguascalientes	643360
	Querétaro	639839
	Morelia	619958
	Hermosillo	608697

7. What query would you run to get all languages in each country with a percentage greater than 89%? Include the country name, language, and percentage. Your query should arrange the result by percentage in descending order.










Limit to 1000 rows			
1	• select c.name, l.language, l.percentage		
2	from countries as c join languages as l on c.id=l.country_id		
3	where l.percentage > 89		
4	order by l.percentage desc		

Result Grid			
Filter Rows:			
Export:			
Wrap Cell Content:			
	name	language	percentage
▶	Bermuda	English	100.0
	Faroe Islands	Faroese	100.0
	Cape Verde	Crioulo	100.0
	Cuba	Spanish	100.0
	Saint Kitts and Nevis	Creole English	100.0
	San Marino	Italian	100.0
	Grenada	Creole English	100.0
	El Salvador	Spanish	100.0
	Rwanda	Rwanda	100.0
	Dominica	Creole English	100.0
	Western Sahara	Arabic	100.0
	Maldives	Dhivehi	100.0
	Haiti	Haiti Creole	100.0
	South Korea	Korean	99.9
	North Korea	Korean	99.9
	Yemen	Arabic	99.6
	Bosnia and Herzego...	Serbo-Croatian	99.2
	Saint Vincent and t...	Creole English	99.1
	Japan	Japanese	99.1






8. What query would you run to get all the cities of Argentina inside the Buenos Aires district and have a population greater than 500,000? The query should return the Country Name, City Name, District, and Population.

world

SQL File 3* x







Limit to 1000 rows



```
1 • select c.name, ci.name, ci.population, ci.district
2 from countries as c join cities as ci on c.id=ci.country_id
3 where c.name ="Argentina" and ci.district="Buenos Aires" and ci.population>500000
4 order by ci.population desc
```

Result Grid

  Filter Rows:

Export:  Wrap Cell Content: 

	name	name	population	district
▶	Argentina	La Matanza	1266461	Buenos Aires
	Argentina	Lomas de Zamora	622013	Buenos Aires
	Argentina	Quilmes	559249	Buenos Aires
	Argentina	Almirante Brown	538918	Buenos Aires
	Argentina	La Plata	521936	Buenos Aires
	Argentina	Mar del Plata	512880	Buenos Aires