

Ejercicios

miércoles, 11 de septiembre de 2024 15:11

Ejercicio 1

Mostrar la cantidad de países que hay en cada continente [registros esperados: 7]

```
MariaDB [world]> select Continent, count(Code) as Cantidad_paises from country2 group by Continent with rollup;
+-----+-----+
| Continent | Cantidad_paises |
+-----+-----+
| Asia      | 51              |
| Europe    | 48              |
| North America | 38              |
| Africa    | 58              |
| Oceania   | 28              |
| Antarctica | 5              |
| South America | 14              |
| NULL      | 242             |
+-----+-----+
8 rows in set (0.002 sec)
```

Ejercicio 2

Mostrar la cantidad de países que hay en cada continente y en cada región, únicamente para subtotales mayores a 10 [registros esperados: 8]

```
MariaDB [world]> select Continent, Region, COUNT(Code) as countryCount from country2 group by Continent, Region having COUNT(Code) > 10;
+-----+-----+-----+
| Continent | Region | countryCount |
+-----+-----+-----+
| Asia      | Middle East | 18           |
| Asia      | Southeast Asia | 11          |
| Asia      | Southern and Central Asia | 14          |
| Europe    | Southern Europe | 15          |
| North America | Caribbean | 24           |
| Africa    | Eastern Africa | 20           |
| Africa    | Western Africa | 17           |
| South America | South America | 14           |
+-----+-----+-----+
```

Ejercicio 3

Mostrar la población de cada distrito en Argentina [registros esperados: 20]

```
MariaDB [world]> select District, sum(Population) as Poblacion from city2 where CountryCode = 'ARG' group by District;
+-----+-----+
| District | Poblacion |
+-----+-----+
| Buenos Aires | 10530136 |
| Catamarca    | 134935   |
| Chaco        | 229212   |
| Chubut       | 124104   |
| Córdoba      | 1291862  |
| Corrientes   | 258103   |
| Distrito Federal | 2982146 |
| Entre Ríos   | 323526   |
| Formosa      | 147636   |
| Jujuy        | 178748   |
| La Rioja     | 138117   |
| Mendoza      | 771094   |
| Misiones     | 201273   |
| Salta        | 367550   |
| San Juan     | 119152   |
| San Luis     | 110136   |
| Santa Fé     | 1260781  |
| Santiago del Estero | 189947  |
| Tucumán      | 470809   |
+-----+-----+
19 rows in set (0.002 sec)
```

Ejercicio 4

Ejercicio 4

Mostrar ID de país y la cantidad de idiomas que se hablan en ese país
[registros esperados: 233]

```
MariaDB [world]> select CountryCode, count(CountryCode) from countrylanguage group by CountryCode;
```

CountryCode	count(CountryCode)
ABW	4
YEM	2
YUG	6
ZAF	11
ZMB	6
ZWE	4

233 rows in set (0.002 sec)

Ejercicio 5

Mostrar nombre de país y la cantidad de idiomas que se hablan en ese país
[registros esperados: 233]

```
MariaDB [world]> select country2.Name, count(countrylanguage.Language) as Cantidad_lenguajes from country2 join countrylanguage on country2.Code = countrylanguage.CountryCode group by country2.Name;
```

Name	Cantidad_lenguajes
AFGHANISTAN	5
ALBANIA	3
ALGERIA	2
AMERICAN SAMOA	3
ANDORRA	4
ANGOLA	9
ANGUILLA	1
ANTIGUA AND BARBUDA	2
ARGENTINA	3
ARMENIA	2
ARUBA	4
AUSTRALIA	8
AUSTRIA	8
AZERBAIJAN	4
BAHAMAS	2
BAHRAIN	2
BANGLADESH	7
BARBADOS	2
BELARUS	4
BELGIUM	6
BELIZE	4
BENIN	7
BERMUDA	1
BHUTAN	3
BOLIVIA	4
BOSNIA AND HERZEGOVINA	1
TOKELAU	2
TONGA	2
TRINIDAD AND TOBAGO	3
TUNISIA	3
TURKEY	3
TURKMENISTAN	4
TURKS AND CAICOS ISLANDS	1
TUVALU	3
UGANDA	10
UKRAINE	7
UNITED ARAB EMIRATES	2
UNITED KINGDOM	3
UNITED STATES	12
UNITED STATES MINOR OUTLYING ISLANDS	1
URUGUAY	1
UZBEKISTAN	6
VANUATU	3
VENEZUELA	3
VIETNAM	9
VIRGIN ISLANDS, BRITISH	1
VIRGIN ISLANDS, U.S.	3
WALLIS AND FUTUNA	2
WESTERN SAHARA	1
YEMEN	2
YUGOSLAVIA	6
ZAMBIA	6
ZIMBABWE	4

233 rows in set (0.007 sec)

```
MariaDB [world]>
```

Ejercicio 6

Mostrar nombre de país y la cantidad de idiomas que se hablan en ese país,
sólo para los países en los que se habla más de 1 idioma [registros esperados:
212]

```
MariaDB [world]> select country2.Name, count(countrylanguage.Language) as Cantidad_lenguajes from country2 join countrylanguage on country2.Code = countrylanguage.CountryCode group by country2.Name having count(countrylanguage.Language) > 1;
```

Name	Cantidad_lenguajes
AFGHANISTAN	5
ALBANIA	3
ALGERIA	2
AMERICAN SAMOA	3

Error grouping()

