

JOINS

Mostrar nombre de país, área del país y nombres de todas las ciudades, para los países "Colombia" y "Argentina"

CONSULTA: SELECT country.Name, country.SurfaceArea, city.Name from country INNER JOIN city ON country.Code = city.CountryCode WHERE country.Name = 'Colombia' OR country.Name = 'Argentina';

```
15:18
SEM MVP ~/D /Da MOD + Update Warp
~/Desktop/backup/4_semestre/modelos_de_datos/ejercicios
sudo mariadb -u root -p
+-----+-----+-----+
| Colombia | 1138914.00 | MEDELLIN |
| Colombia | 1138914.00 | BARRANQUILLA |
| Colombia | 1138914.00 | CARTAGENA |
| Colombia | 1138914.00 | CÚCUTA |
| Colombia | 1138914.00 | BUCARAMANGA |
| Colombia | 1138914.00 | IBAGUÉ |
| Colombia | 1138914.00 | PEREIRA |
| Colombia | 1138914.00 | SANTA MARTA |
| Colombia | 1138914.00 | MANIZALES |
| Colombia | 1138914.00 | BELLO |
| Colombia | 1138914.00 | PASTO |
| Colombia | 1138914.00 | NEIVA |
| Colombia | 1138914.00 | SOLEDAD |
| Colombia | 1138914.00 | ARMENIA |
| Colombia | 1138914.00 | VILLAVICENCIO |
| Colombia | 1138914.00 | SOACHA |
| Colombia | 1138914.00 | VALLEDUPAR |
| Colombia | 1138914.00 | MONTERÍA |
| Colombia | 1138914.00 | ITAGÜÍ |
| Colombia | 1138914.00 | PALMIRA |
| Colombia | 1138914.00 | BUENAVENTURA |
| Colombia | 1138914.00 | FLORIDABLANCA |
| Colombia | 1138914.00 | SINCELEJO |
| Colombia | 1138914.00 | POPAYÁN |
| Colombia | 1138914.00 | BARRANCABERMEJA |
| Colombia | 1138914.00 | DOS QUEBRADAS |
| Colombia | 1138914.00 | TULUÁ |
| Colombia | 1138914.00 | ENVIGADO |
| Colombia | 1138914.00 | CARTAGO |
| Colombia | 1138914.00 | GIRARDOT |
| Colombia | 1138914.00 | BUGA |
| Colombia | 1138914.00 | TUNJA |
| Colombia | 1138914.00 | FLORENCIA |
| Colombia | 1138914.00 | MAICAO |
| Colombia | 1138914.00 | SOGAMOSO |
| Colombia | 1138914.00 | GIRON |
+-----+-----+-----+
95 rows in set (0.003 sec)

MariaDB [world]>
```

Mostrar nombre del país y nombre de todos los idiomas no oficiales que se hablan, para todos los países de la región de norte américa

CONSULTA: SELECT country.Name, countrylanguage.Language FROM country INNER JOIN countrylanguage ON country.Code = countrylanguage.CountryCode WHERE country.Region='North America' AND countrylanguage.IsOfficial='F';

```
15:25
SEM MVP ~/D /Da MOD + Update Warp
~/Desktop/backup/4_semestre/modelos_de_datos/ejercicios
sudo mariadb -u root -p
| United States | Nyanja |
| Bermuda      | Shona  |
| Canada        | Shona  |
| Greenland     | Shona  |
| Saint Pierre and Miquelon | Shona  |
| United States | Shona  |
+-----+-----+
3730 rows in set (0.008 sec)

MariaDB [world]> SELECT country.Name, countrylanguage.Language FROM country INNER JOIN countrylanguage ON country.Code = countrylanguage.CountryCode WHERE country.Region='North America' AND countrylanguage.IsOfficial='F';
+-----+-----+
| Name      | Language |
+-----+-----+
| Canada    | Chinese  |
| Canada    | Dutch    |
| Canada    | Eskimo Languages |
| Canada    | German   |
| Canada    | Italian  |
| Canada    | Polish   |
| Canada    | Portuguese |
| Canada    | Punjabi  |
| Canada    | Spanish  |
| Canada    | Ukrainian |
| United States | Chinese  |
| United States | French   |
| United States | German   |
| United States | Italian  |
| United States | Japanese |
| United States | Korean   |
| United States | Polish   |
| United States | Portuguese |
| United States | Spanish  |
| United States | Tagalog  |
| United States | Vietnamese |
+-----+-----+
21 rows in set (0.002 sec)

MariaDB [world]>
```

Buscar, con funciones de agregación, la región que menos países tiene.
Posteriormente, en otra consulta, mostrar nombre de país y nombre de las ciudades que hacen parte de esa región

Primera parte del ejercicio

CONSULTA: SELECT Region, COUNT(*) AS cantidad_paises FROM country GROUP BY Region;

```
MariaDB [world]> SELECT Region, COUNT(*) AS cantidad_paises FROM country GROUP BY Region;
```

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

```
25 rows in set (0.004 sec)

MariaDB [world]>
```

Segunda parte:

CONSULTA: SELECT country.Name, city.Name FROM country INNER JOIN city ON country.Code = city.CountryCode WHERE country.Region = 'Micronesia/Caribbean';

```
MariaDB [world]> SELECT country.Name, city.Name FROM country INNER JOIN city ON
country.Code = city.CountryCode WHERE country.Region = 'Micronesia/Caribbean';
Empty set (0.001 sec)

MariaDB [world]>
```

ESE PAIS de la región no tiene ciudades en la base de datos county.

Escribir una sentencia sql en la cual se indique el nombre de una ciudad y muestre el idioma oficial que se habla en esa ciudad

CONSULTA: SELECT city.Name, countrylanguage.Language FROM city INNER JOIN country ON city.CountryCode = country.Code INNER JOIN countrylanguage ON country.Code = countrylanguage.CountryCode WHERE countrylanguage.IsOfficial = 'T';

```
16:05
SEM MVP ~/D /Da MOD + Update Warp
~/Desktop/backup/4_semestre/modelos_de_datos/ejercicios
sudo mariadb -u root -p
+-----+-----+
| DAVENPORT | English |
| MISSION VIEJO | English |
| MIAMI BEACH | English |
| SUNRISE MANOR | English |
| NEW BEDFORD | English |
| EL CAJON | English |
| NORMAN | English |
| RICHMOND | English |
| ALBANY | English |
| BROCKTON | English |
| ROANOKE | English |
| BILLINGS | English |
| COMPTON | English |
| GAINESVILLE | English |
| FAIRFIELD | English |
| ARDEN-ARCADE | English |
| SAN MATEO | English |
| VISALIA | English |
| BOULDER | English |
| CARY | English |
| SANTA MONICA | English |
| FALL RIVER | English |
| KENOSHA | English |
| ELGIN | English |
| ODESSA | English |
| CARSON | English |
| CHARLESTON | English |
| CHARLOTTE AMALIE | English |
| HARARE | English |
| BULAWAYO | English |
| CHITUNGWIZA | English |
| MOUNT DARWIN | English |
| MUTARE | English |
| GWERU | English |
+-----+-----+
4283 rows in set (0.080 sec)

MariaDB [world]>
```

Mostrar, en un solo resultado, los nombres de los países de la región "Oceania" y los nombres de las ciudades del país "NLD"

CONSULTA: SELECT country.Name, city.Name FROM country INNER JOIN city ON country.Code = city.CountryCode WHERE country.Continent = 'Oceania' OR city.CountryCode = 'NLD';

```
16:20
SEM MVP ~/D /Da MOD + Update Warp
~/Desktop/backup/4_semestre/modelos_de_datos/ejercicios
sudo mariadb -u root -p
| Netherlands | MAASTRICHT |
| Netherlands | DORDRECHT |
| Netherlands | LEIDEN |
| Netherlands | HAARLEMMEER |
| Netherlands | ZOETERMEER |
| Netherlands | EMMEN |
| Netherlands | ZWOLLE |
| Netherlands | EDE |
| Netherlands | DELFT |
| Netherlands | HEERLEN |
| Netherlands | ALKMAAR |
| Nauru | YANGOR |
| Nauru | YAREN |
| New Zealand | AUCKLAND |
| New Zealand | CHRISTCHURCH |
| New Zealand | MANUKAU |
| New Zealand | NORTH SHORE |
| New Zealand | WAITAKERE |
| New Zealand | WELLINGTON |
| New Zealand | DUNEDIN |
| New Zealand | HAMILTON |
| New Zealand | LOWER HUTT |
| Pitcairn | ADAMSTOWN |
| Palau | KOROR |
| Papua New Guinea | PORT MORESBY |
| French Polynesia | FAAA |
| French Polynesia | PAPEETE |
| Solomon Islands | HONIARA |
| Tokelau | FAKAOFU |
| Tonga | NUKU'ALOFA |
| Tuvalu | FUNAFUTI |
| Vanuatu | PORT-VILA |
| Wallis and Futuna | MATA-UTU |
| Samoa | APIA |
+-----+-----+
83 rows in set (0.003 sec)

MariaDB [world]>
```

Mostrar los nombres de los idiomas que se hablan tanto en Bélgica como en Italia, sin importar si son oficiales o no

CONSULTA: SELECT country.Name, countrylanguage.Language FROM countrylanguage INNER JOIN country ON country.Code = countrylanguage.CountryCode WHERE country.Code ='BEL' OR country.Code='ITA';

```
MariaDB [world]> SELECT country.Name, countrylanguage.Language FROM countrylanguage INNER JOIN country ON country.Code = countrylanguage.CountryCode WHERE country.Code ='BEL' OR country.Code='ITA';
```

Name	Language
Belgium	Arabic
Belgium	Dutch
Belgium	French
Belgium	German
Belgium	Italian
Belgium	Turkish
Italy	Albaniana
Italy	French
Italy	Friuli
Italy	German
Italy	Italian
Italy	Romani
Italy	Sardinian
Italy	Slovene

```
14 rows in set (0.002 sec)
```

```
MariaDB [world]> 
```