

WORLD I

GROUP 5

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1. Get all the list of countries that are in the continent of Europe

```
1 SELECT
2 *
3 FROM
4   country
5 WHERE
6   continent = 'Europe';
```

Code	Name	Continent	Region	SurfaceArea	IndepYear	Population	LifeExpectancy	GNP	GNPOld	LocalName	GovernmentForm
ALB	Albania	Europe	Southern Europe	28748.00	1912	3401200	71.6	3205.00	2500.00	Shqipëria	Republic
AND	Andorra	Europe	Southern Europe	468.00	1278	78000	83.5	1630.00	NULL	Andorra	Parliamentary Monarchy
AUT	Austria	Europe	Western Europe	83859.00	1918	8091800	77.7	211860.00	206025.00	Österreich	Federal Republic
BEL	Belgium	Europe	Western Europe	30518.00	1830	10239000	77.8	249704.00	243948.00	Belgie/Belgique	Constitutional Monarchy
BGR	Bulgaria	Europe	Eastern Europe	110994.00	1908	8190900	70.9	12178.00	10169.00	България	Republic
BIH	Bosnia and Herzegovina	Europe	Southern Europe	51197.00	1992	3972000	71.5	2841.00	NULL	Bosna i Hercegovina	Federal Republic
BLR	Belarus	Europe	Eastern Europe	207600.00	1991	10236000	68.0	13714.00	NULL	Беларусь	Republic
CHF	Switzerland	Europe	Western Europe	41284.00	1499	7160400	79.6	264478.00	256097.00	Schweiz/Suisse/Svizzera/Svizra	Federal Republic

2. Get all the list of countries that are in the continent of North America and Africa

```
1 SELECT
2 *
3 FROM
4   country
5 WHERE
6   continent = 'North America' OR continent = 'Africa';
```

Code	Name	Continent	Region	SurfaceArea	IndepYear	Population	LifeExpectancy	GNP	GNPOld	LocalName	GovernmentForm
ABW	Aruba	North America	Caribbean	193.00	NULL	103000	78.4	828.00	793.00	Aruba	Nonmetropolitan Territory
AGO	Angola	Africa	Central Africa	1246700.00	1975	12878000	38.3	6648.00	7984.00	Angola	Republic
AIA	Anguilla	North America	Caribbean	96.00	NULL	8000	76.1	63.20	NULL	Anguilla	Dependent Territory
ANT	Netherlands Antilles	North America	Caribbean	800.00	NULL	217000	74.7	1941.00	NULL	Nederlandse Antillen	Nonmetropolitan Territory
ATG	Antigua and Barbuda	North America	Caribbean	442.00	1981	68000	70.5	612.00	584.00	Antigua and Barbuda	Constitutional Monarchy
BDI	Burundi	Africa	Eastern Africa	27834.00	1962	6695000	46.2	903.00	982.00	Burundi/Uburundi	Republic
BEN	Benin	Africa	Western Africa	112622.00	1960	6097000	50.2	2357.00	2141.00	Bénin	Republic
BFA	Burkina Faso	Africa	Western Africa	274000.00	1960	11937000	46.7	2425.00	2201.00	Burkina Faso	Republic

3. Get all the list of cities that are part of a country with population greater than 100 million.

```
2      country.Code AS country_code,
3      country.Name AS country_name,
4      country.Continent AS continent,
5      country.Population AS country_population,
6      city.Name AS city
7  FROM
8      country
9      INNER JOIN
10     city ON country.Code = city.CountryCode
11 WHERE country.Population > 100000000;
12
```

	country_code	country_name	continent	country_population	city
▶	BGD	Bangladesh	Asia	129155000	Dhaka
	BGD	Bangladesh	Asia	129155000	Chittagong
	BGD	Bangladesh	Asia	129155000	Khulna
	BGD	Bangladesh	Asia	129155000	Rajshahi
	BGD	Bangladesh	Asia	129155000	Narayanganj
	BGD	Bangladesh	Asia	129155000	Rangpur

4. Get all the list of countries (display the full country name) who speak 'Spanish' as their language

```
1  •  SELECT
2      country.Name AS country, countrylanguage.Language AS language
3  FROM
4      country
5      INNER JOIN countrylanguage
6      ON country.Code = countrylanguage.CountryCode
7      WHERE
8      countrylanguage.Language = 'Spanish';
9
10
11
```

	country	language
	Belize	Spanish
	Bolivia	Spanish
	Canada	Spanish
	Chile	Spanish
	Colombia	Spanish
	Costa Rica	Spanish
	Cuba	Spanish

5. Get all the list of countries (display the full country name) who speak 'Spanish' as their official language

```
1 • SELECT
2     country.Name AS country, countrylanguage.Language AS language, countrylanguage.IsOfficial AS isofficial
3 FROM
4     country
5     INNER JOIN countrylanguage
6     ON country.Code = countrylanguage.CountryCode
7 WHERE
8     countrylanguage.Language = 'Spanish' = countrylanguage.IsOfficial = TRUE;
9
10
11
```

< Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

country	language	isofficial
Argentina	Spanish	T
Bolivia	Spanish	T
Chile	Spanish	T
Colombia	Spanish	T
Costa Rica	Spanish	T
Cuba	Spanish	T
Dominican Republic	Spanish	T

6. Get all the list of countries (display the full country name) who speak either 'Spanish' or 'English' as their official language

```
1 • SELECT
2     country.Name AS country,
3     countrylanguage.Language AS language
4 FROM
5     country
6     INNER JOIN
7     countrylanguage ON country.Code = countrylanguage.CountryCode
8 WHERE
9     countrylanguage.Language = 'Spanish' = countrylanguage.IsOfficial = TRUE
10    OR countrylanguage.Language = 'English' = countrylanguage.IsOfficial = TRUE;
11
12
```

< Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

country	language
Anguilla	English
Argentina	Spanish
American Samoa	English
Antigua and Barbuda	English
Australia	English
Belize	English
Bermuda	English

7. Get all the list of countries (display the full country name) where 'Arabic' is spoken by more than 30% of the population but where it's not the country's official language.

```
1 • SELECT
2     country.Name AS country,
3     countrylanguage.Language AS language,
4     countrylanguage.Percentage AS percentage,
5     countrylanguage.IsOfficial AS isofficial
6 FROM
7     country
8     INNER JOIN
9     countrylanguage ON country.Code = countrylanguage.CountryCode
10 WHERE
11     countrylanguage.Language = 'Arabic' AND
12     countrylanguage.Percentage > 90 AND countrylanguage.IsOfficial = 'F';
```

<

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	country	language	percentage	isofficial
▶	Palestine	Arabic	95.9	F

8. Get all the list of countries (display the full country name) where 'French' is the official language but where less than 50% of the population in that country actually speaks that language.

```
1 • SELECT
2     country.Name AS country,
3     countrylanguage.Language AS language,
4     countrylanguage.IsOfficial AS isofficial,
5     countrylanguage.Percentage AS percentage
6 FROM
7     country
8     INNER JOIN
9     countrylanguage ON country.Code = countrylanguage.CountryCode
10 WHERE
11     countrylanguage.Language = 'French'
12     AND countrylanguage.Percentage < 50
13     AND countrylanguage.IsOfficial = TRUE;
```

<

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	country	language	isofficial	percentage
▶	Burundi	French	T	0.0
	Belgium	French	T	32.6
	Canada	French	T	23.4
	Switzerland	French	T	19.2
	Guadeloupe	French	T	0.0
	Haiti	French	T	0.0

9. Get all the list of countries (display the full country name and the full language name) and their official language. Order the result so that those with the same official language are shown together.

```
1 • SELECT
2     country.Name AS country,
3     countrylanguage.Language AS language,
4     countrylanguage.IsOfficial AS isofficial
5 FROM
6     country
7     INNER JOIN
8     countrylanguage ON country.Code = countrylanguage.CountryCode
9 WHERE
10    countrylanguage.IsOfficial = TRUE
11 ORDER BY
12    countrylanguage.Language ASC;
13
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	country	language	isofficial
▶	South Africa	Afrikaans	T
	Bolivia	Aimará	T
	Peru	Aimará	T
	Albania	Albaniana	T
	Djibouti	Arabic	T
	Chad	Arabic	T

10. Get the top 100 cities with the most population. Display the city's full country name also as well as their official language.

```
1 • SELECT
2     country.Name AS country,
3     city.Name AS city,
4     countrylanguage.Language AS language,
5     countrylanguage.IsOfficial AS isofficial
6 FROM
7     country
8     RIGHT JOIN
9     city ON country.Code = city.CountryCode
10    RIGHT JOIN
11    countrylanguage ON city.CountryCode = countrylanguage.CountryCode
12 WHERE
13    countrylanguage.IsOfficial = TRUE
14 ORDER BY
15    city.Population DESC
16 LIMIT 100;
17
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows: |

	country	city	language	isofficial
▶	India	Mumbai (Bombay)	Hindi	T
	South Korea	Seoul	Korean	T
	Brazil	São Paulo	Portuguese	T
	China	Shanghai	Chinese	T
	Indonesia	Jakarta	Malay	T
	Pakistan	Karachi	Urdu	T
	Turkey	Istanbul	Turkish	T
	Mexico	Ciudad de México	Spanish	T

11. Get the top 100 cities with the most population where the life_expectancy for the country is less than 40.

```
1 • SELECT
2     country.Name AS country,
3     country.LifeExpectancy AS lifeexpectancy,
4     city.Name AS city,
5     city.Population AS population
6 FROM
7     country
8     RIGHT JOIN
9     city ON country.Code = city.CountryCode
10 WHERE
11     country.LifeExpectancy < 40
12 ORDER BY
13     city.Population DESC
14 LIMIT 100;
```

	country	lifeexpectancy	city	population
▶	Angola	38.3	Luanda	2022000
	Zimbabwe	37.8	Harare	1410000
	Zambia	37.2	Lusaka	1317000
	Mozambique	37.5	Maputo	1018938
	Zimbabwe	37.8	Bulawayo	621742
	Malawi	37.6	Blantyre	478155

12. Get the top 100 countries who speak English and where life expectancy is highest. Show the country with the highest life expectancy first.

```
1 • SELECT
2     country.Name AS country,
3     city.Name AS city,
4     country.LifeExpectancy AS lifeexpectancy
5 FROM
6     country
7     RIGHT JOIN
8     city ON country.Code = city.CountryCode
9     RIGHT JOIN
10    countrylanguage ON city.CountryCode = countrylanguage.CountryCode
11 WHERE
12     countrylanguage.Language = 'English'
13 ORDER BY country.LifeExpectancy DESC
14 LIMIT 100;
```

	country	city	lifeexpectancy
▶	Macao	Macao	81.6
	Japan	Omiya	80.7
	Japan	Sapporo	80.7
	Japan	Urawa	80.7
	Japan	Nagoya	80.7
	Japan	Kaqoshima	80.7