World DB Assignment Questions (SQL Assignment):

Basic Questions

Questions

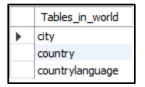1. What is the world database used for?
   It is used for store and manage information about countries and related information such as their cities and languages. The world database is founded by MySQL.

2. How many tables are there in the world database?
   3 Tables

   `show tables`

   show tables

Tables_in_world
▶ city
country
countrylanguage

3. What does the city table store?

   `select * from city`

   select * from city

	ID	Name	CountryCode	District	Population
▶	1	Kabul	AFG	Kabol	1780000
	2	Qandahar	AFG	Qandahar	237500
	3	Herat	AFG	Herat	186800
	4	Mazar-e-Sharif	AFG	Balkh	127800
	5	Amsterdam	NLD	Noord-Holland	731200
	6	Rotterdam	NLD	Zuid-Holland	593321
	7	Haag	NLD	Zuid-Holland	440900
	8	Utrecht	NLD	Utrecht	234323

   city 8 ×

4. What does the country table store?

   `select * from country`

   select * from country

Code	Name	Continent	Region	SurfaceArea	IndepYear	Population	LifeExpectancy	GNP	GNPOld	LocalName	GovernmentForm	HeadOfState	Capital	Code2
ABW	Aruba	North America	Caribbean	193.00	NULL	103000	78.4	828.00	793.00	Aruba	Nonmetropolitan Territory of The Netherlands	Beatrix	129	AW
AFG	Afghanistan	Asia	Southern and Central Asia	652090.00	1919	22720000	45.9	5976.00	NULL	Afganistan/Afqanestan	Islamic Emirate	Mohammad Omar	1	AF
AGO	Angola	Africa	Central Africa	1246700.00	1975	12878000	38.3	6648.00	7984.00	Angola	Republic	José Eduardo dos Santos	56	AO
AIA	Anguilla	North America	Caribbean	96.00	NULL	8000	76.1	63.20	NULL	Anguilla	Dependent Territory of the UK	Elisabeth II	62	AI
ALB	Albania	Europe	Southern Europe	28748.00	1912	3401200	71.6	3205.00	2500.00	Shqipëria	Republic	Rexhep Mejdani	34	AL
AND	Andorra	Europe	Southern Europe	468.00	1278	78000	83.5	1630.00	NULL	Andorra	Parliamentary Coprincipality		55	AD
ANT	Netherlands Antilles	North America	Caribbean	800.00	NULL	217000	74.7	1941.00	NULL	Nederlandse Antillen	Nonmetropolitan Territory of The Netherlands	Beatrix	33	AN
ARE	United Arab Emirates	Asia	Middle East	83600.00	1971	2441000	74.1	37966.00	36846.00	Al-Imarat al-´Arabiya al-Muttahida	Emirate Federation	Zayid bin Sultan al-Nahayan	65	AE
ARG	Argentina	South America	South America	2780400.00	1816	37032000	75.1	340238.00	323310.00	Argentina	Federal Republic	Fernando de la Rúa	69	AR
ARM	Armenia	Asia	Middle East	29800.00	1991	3520000	66.4	1813.00	1627.00	Hajastan	Republic	Robert Kotšarjan	126	AM
ASM	American Samoa	Oceania	Polynesia	199.00	NULL	68000	75.1	334.00	NULL	Amerika Samoa	US Territory	George W. Bush	54	AS
ATA	Antarctica	Antarctica	Antarctica	13120000.00	NULL	0	NULL	0.00	NULL	–	Co-administrated		NULL	AQ

5. What does the countrylanguage table store?

```
select * from countrylanguage
```

select * from countrylanguage

	CountryCode	Language	IsOfficial	Percentage
▶	ABW	Dutch	T	5.3
	ABW	English	F	9.5
	ABW	Papiamento	F	76.7
	ABW	Spanish	F	7.4
	AFG	Balochi	F	0.9
	AFG	Dari	T	32.1
	AFG	Pashto	T	52.4
	AFG	Turkmenian	F	1.9
	AFG	Uzbek	F	8.8
	AGO	Ambo	F	2.4
	AGO	Chokwe	F	4.2

6. How can you view all tables in the world database?

```
show tables
```

	Tables_in_world
▶	city
	country
	countrylanguage

7. How do you select the world database?

```
use world
```

▼ 🛢 **world**

8. How do you describe the structure of the city table?

```
describe city
```

	Field	Type	Null	Key	Default	Extra
▶	ID	int	NO	PRI	NULL	auto_increment
	Name	char(35)	NO			
	CountryCode	char(3)	NO	MUL		
	District	char(20)	NO			
	Population	int	NO		0	

Result 16 ✕

9. How do you list all cities in the city table?

```
select name as city from city
```

select name as city from city

city
▶ Kabul
Qandahar
Herat
Mazar-e-Sharif
Amsterdam
Rotterdam
Haag
Utrecht
Eindhoven
Tilburg
Groningen

10. How do you find the number of rows in the country table?

```
select count(*) from country
```

select count(*) from country

count(*)
▶ 239

11. How do you find the population of a specific city?

```
select name as country, population from city
where name = 'Kabul'
```

select name as country, population from city
where name = 'Kabul'

country	population
▶ Kabul	1780000

12. How do you insert a new city into the city table?

```
INSERT INTO city (ID, Name, CountryCode, District, Population)
VALUES (4080, 'ABCDE', 'AFG', 'ABCDE', 12345)
```

INSERT INTO city (ID, Name, CountryCode, District, Population)
VALUES (4080, 'ABCDE', 'AFG', 'ABCDE', 12345)

4080	ABCDE	AFG	ABCDE	12345

13. How do you delete a city from the city table?

```
DELETE FROM CITY WHERE ID = 4080
```

DELETE FROM CITY WHERE ID = 4080

✓	148	12:40:03	DELETE FROM CITY WHERE ID = 4080	1 row(s) affected

14. How do you update the population of a city?

```
UPDATE City
SET Population = 2000000
WHERE ID = 1
```

UPDATE City
SET Population = 2000000
WHERE ID = 1

	ID	Name	CountryCode	District	Population
▶	1	Kabul	AFG	Kabol	2000000

15. How do you find all countries in a specific continent?

```
select name as country, continent from country
where continent = 'Asia'
order by name asc
```

select name as country, continent from country

where continent = 'Asia'

order by name asc

	country	continent
▶	Afghanistan	Asia
	Armenia	Asia
	Azerbaijan	Asia
	Bahrain	Asia
	Bangladesh	Asia
	Bhutan	Asia
	Brunei	Asia
	Cambodia	Asia
	China	Asia
	Cyprus	Asia
	East Timor	Asia
	Georgia	Asia

country 63 ✕

16. How do you find the capital city of a country?

```
select country.name as country, city.name as capital from country
join city
on city.id = country.capital
where country.name = 'Afghanistan'
```

select country.name as country, city.name as capital from country

join city

on city.id = country.capital

where country.name = 'Afghanistan'

	country	capital
▶	Afghanistan	Kabul

17. How do you find all languages spoken in a specific country?

```sql
select country.name as country, countrylanguage.language from countrylanguage
inner join country
on countrylanguage.countrycode = country.code
where country.name = 'India'
```

select country.name as country, countrylanguage.language from countrylanguage
inner join country
on countrylanguage.countrycode = country.code
where country.name = 'India'

country	language
India	Asami
India	Bengali
India	Gujarati
India	Hindi
India	Kannada
India	Malajalam
India	Marathi
India	Orija
India	Punjabi
India	Tamil
India	Telugu
India	Urdu

18. How do you find the official languages of a country?

```sql
select   country.name as country_name,
         countrylanguage.language,
         countrylanguage.isofficial as official_language
         from countrylanguage
inner join country
on countrylanguage.countrycode = country.code
where countrylanguage.isofficial = 'T'
```

select   country.name as country_name,
              countrylanguage.language,
       countrylanguage.isofficial as official_language
       from countrylanguage
inner join country
on countrylanguage.countrycode = country.code
where countrylanguage.isofficial = 'T'

country_name	language	official_language
Aruba	Dutch	T
Afghanistan	Dari	T
Afghanistan	Pashto	T
Anguilla	English	T
Albania	Albaniana	T
Andorra	Catalan	T
Netherlands Antilles	Dutch	T
Netherlands Antilles	Papiamento	T
United Arab Emirates	Arabic	T
Argentina	Spanish	T
Armenia	Armenian	T
American Samoa	English	T
American Samoa	Samoan	T
Antigua and Barbuda	English	T
Australia	English	T
Austria	German	T
Azerbaijan	Azerbaijani	T
Burundi	French	T

19. How do you find the countries with a population greater than 100 million?

```
select name as country, population from country
where population > 100000000
order by population asc
```

select name as country, population from country
where population > 100000000
order by population asc

country	population
Nigeria	111506000
Japan	126714000
Bangladesh	129155000
Russian Federation	146934000
Pakistan	156483000
Brazil	170115000
Indonesia	212107000
United States	278357000
India	1013662000
China	1277558000

20. How do you find the countries in the 'Asia' continent?

```
select name as country from country
where continent = 'Asia'
order by name asc
```

select name as country from country
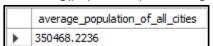where continent = 'Asia'
order by name asc

	country
▶	Afghanistan
	Armenia
	Azerbaijan
	Bahrain
	Bangladesh
	Bhutan
	Brunei
	Cambodia
	China
	Cyprus
	East Timor
	Georgia
	Hong Kong
	India
	Indonesia
	Iran
	Iraq
	Israel

Intermediate Questions

Questions

21. How do you find the average population of all cities?

```sql
select avg(population) as average_population_of_all_cities from city
```

select avg(population) as average_population_of_all_cities from city

	average_population_of_all_cities
▶	350468.2236

22. How do you find the total population of a specific country?

```sql
select name as country, population as total_population from country
where country.name = 'Argentina'
```

select name as country, population as total_population from country
where country.name = 'Argentina'

	country	total_population
▶	Argentina	37032000

23. How do you find the number of cities in each country?

```sql
select country.name as country, count(city.name) as number_of_cities from city
inner join country
on country.code = city.countrycode
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as number_of_cities from city
inner join country
on country.code = city.countrycode
group by country.name
order by count(city.name) desc

country	number_of_cities
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

24. How do you find the top 5 most populated countries?

```
select name as country, population from country
order by population desc
limit 5
```

select name as country, population from country
order by population desc
limit 5

country	population
China	1277558000
India	1013662000
United States	278357000
Indonesia	212107000
Brazil	170115000

25. How do you find the least populated city?

```
select name as city, population from city
order by population asc
limit 5
```

select name as city, population from city
order by population asc
limit 5

city	population
Adamstown	42
West Island	167
Fakaofo	300
Città del Vaticano	455
Bantam	503

26. How do you find the countries with a life expectancy greater than 80 years?

```
select name as country, lifeexpectancy from country
where lifeexpectancy > 80
order by lifeexpectancy asc
```

select name as country, lifeexpectancy from country
where lifeexpectancy > 80
order by lifeexpectancy asc

country	lifeexpectancy
▶ Singapore	80.1
Japan	80.7
San Marino	81.1
Macao	81.6
Andorra	83.5

27. How do you find the countries with a GNP greater than 1 trillion?

```
select name as country, gnp from country
where gnp > 100000000
```

select name as country, gnp from country
where gnp > 100000000

country	gnp

No results

28. How do you find the countries that gained independence after 1950?

```
select name as country, indepyear as gained_independence from country
where indepyear > 1950
order by indepyear asc
```

select name as country, indepyear as gained_independence from country
where indepyear > 1950
order by indepyear asc

country	gained_independence
▶ Libyan Arab Jamahiriya	1951
Oman	1951
Cambodia	1953
Laos	1953
Germany	1955
Morocco	1956
Sudan	1956
Tunisia	1956
Ghana	1957
Malaysia	1957
Guinea	1958
Benin	1960

29. How do you find the countries with more than one official language?

```sql
select country.name as country, count(*) official_languages from country
inner join countrylanguage
on  country.code = countrylanguage.countrycode
where isofficial = 'T'
group by countrycode
having count(*) > 1
order by official_languages asc
```

select country.name as country, count(*) official_languages from country
inner join countrylanguage
on country.code = countrylanguage.countrycode
where isofficial = 'T'
group by countrycode
having count(*) > 1
order by official_languages asc

country	official_languages
Afghanistan	2
Netherlands Antilles	2
American Samoa	2
Burundi	2
Sri Lanka	2
Belarus	2
Lesotho	2
Canada	2
Madagascar	2
Cyprus	2
Finland	2
Faroe Islands	2

30. How do you find the cities in the 'California' district?

```sql
select name as city from city
where district = 'California'
order by name asc
```

select name as city from city
where district = 'California'
order by name asc

city
Anaheim
Arden-Arcade
Bakersfield
Berkeley
Burbank
Carson
Chula Vista
Citrus Heights

31. How do you find the countries with the highest population density?

```sql
select name as country, population / surfacearea as population_density
from country
order by population_density desc
```

select name as country, population / surfacearea as population_density
from country
order by population_density desc

country	population_density
Macao	26277.7778
Monaco	22666.6667
Hong Kong	6308.8372
Singapore	5771.8447
Gibraltar	4166.6667
Holy See (Vatican City State)	2500.0000
Bermuda	1226.4151
Malta	1203.1646
Maldives	959.7315
Bangladesh	896.9222
Bahrain	889.0490
Barbados	627.9070

32. How do you find the countries with the lowest population density?

```sql
select name as country, population / surfacearea as population_density
from country
order by population_density asc
```

select name as country, population / surfacearea as population_density
from country
order by population_density asc

country	population_density
Antarctica	0.0000
French Southern territories	0.0000
Bouvet Island	0.0000
Heard Island and McDonald Islands	0.0000
British Indian Ocean Territory	0.0000
South Georgia and the South Sandwich Islands	0.0000
United States Minor Outlying Islands	0.0000
Greenland	0.0259
Svalbard and Jan Mayen	0.0513
Falkland Islands	0.1643
Pitcairn	1.0204
Western Sahara	1.1015

33. How do you find the countries with the highest GDP per capita?

```sql
select name as country, gnp from country
order by gnp desc
```

select name as country, gnp from country
order by gnp desc

country	gnp
United States	8510700.00
Japan	3787042.00
Germany	2133367.00
France	1424285.00
United Kingdom	1378330.00
Italy	1161755.00
China	982268.00
Brazil	776739.00
Canada	598862.00
Spain	553233.00
India	447114.00
Mexico	414972.00

34. How do you find the countries with the lowest GDP per capita?

```sql
select name as country, gnp from country
order by gnp asc
```

select name as country, gnp from country
order by gnp asc

country	gnp
Antarctica	0.00
French Southern territories	0.00
Bouvet Island	0.00
Cocos (Keeling) Islands	0.00
Christmas Island	0.00
Falkland Islands	0.00
Faroe Islands	0.00
Greenland	0.00
Heard Island and McDonald Islands	0.00
British Indian Ocean Territory	0.00
Northern Mariana Islands	0.00
Mayotte	0.00

35. How do you find the countries with more than 5 official languages?

```sql
select name as country, count(*) officiallanguage_count
from countrylanguage
inner join country
on   country.code = countrylanguage.countrycode
where isofficial = 'T'
group by countrycode
having count(*) > 5
```

```sql
select name as country, count(*) officiallanguage_count
from countrylanguage
inner join country
on  country.code = countrylanguage.countrycode
where isofficial = 'T'
group by countrycode
having count(*) > 5
```

	country	officiallanguage_count

No results

36. How do you find the countries with the highest life expectancy?

```sql
select name as country, lifeexpectancy from country
where lifeexpectancy is not null
order by lifeexpectancy desc
```

select name as country, lifeexpectancy from country
where lifeexpectancy is not null
order by lifeexpectancy desc

	country	lifeexpectancy
▶	Andorra	83.5
	Macao	81.6
	San Marino	81.1
	Japan	80.7
	Singapore	80.1
	Australia	79.8
	Switzerland	79.6
	Sweden	79.6
	Hong Kong	79.5
	Canada	79.4
	Iceland	79.4
	Gibraltar	79.0

37. How do you find the countries with the lowest life expectancy?

```sql
select name as country, lifeexpectancy from country
where lifeexpectancy is not null
order by lifeexpectancy asc
```

select name as country, lifeexpectancy from country
where lifeexpectancy is not null
order by lifeexpectancy asc

country	lifeexpectancy
Zambia	37.2
Mozambique	37.5
Malawi	37.6
Zimbabwe	37.8
Angola	38.3
Botswana	39.3
Rwanda	39.3
Swaziland	40.4
Niger	41.3
Namibia	42.5
Uganda	42.9
Central Afri...	44.0

38. How do you find the countries with the most cities?

```
select country.name as country, count(city.name) as city_count from city
inner join country
on city.countrycode = country.code
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as city_count from city
inner join country
on city.countrycode = country.code
group by country.name
order by count(city.name) desc

country	city_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

39. How do you find the countries with the least cities?

```
select country.name as country, count(city.name) as city_count from city
inner join country
on city.countrycode = country.code
group by country.name
order by count(city.name) asc
```

select country.name as country, count(city.name) as city_count from city
inner join country

on city.countrycode = country.code
group by country.name
order by count(city.name) asc

	country	city_count
▶	Aruba	1
	Albania	1
	Andorra	1
	Netherlands Antilles	1
	Antigua and Barbuda	1
	Burundi	1
	Bahrain	1
	Bahamas	1
	Barbados	1
	Brunei	1
	Bhutan	1
	Central African Rep...	1

40. How do you find the countries with the highest number of languages spoke

```
select country.name as country, count(countrylanguage.language) as languages_spoken
from countrylanguage
inner join country
on country.code = countrylanguage.countrycode
group by country.name
order by count(countrylanguage.countrycode) desc
```

select country.name as country, count(countrylanguage.language) as languages_spoken
from countrylanguage
inner join country
on country.code = countrylanguage.countrycode
group by country.name
order by count(countrylanguage.countrycode) desc

	country	languages_spoken
▶	Canada	12
	China	12
	India	12
	Russian Federation	12
	United States	12
	Tanzania	11
	South Africa	11
	Congo, The Democratic Republic of the	10
	Iran	10
	Kenya	10
	Mozambique	10
	Nigeria	10

Advanced Questions

Questions

41. How do you find the population of countries with an official language of English?

```sql
select country.name as country, country.population,countrylanguage.language as official_language
from country
inner join countrylanguage
on country.code = countrylanguage.countrycode
where countrylanguage.language = 'English'
and countrylanguage.IsOfficial = 'T'
order by country.name asc
```

select country.name as country, country.population,countrylanguage.language as
official_language
from country
inner join countrylanguage
on country.code = countrylanguage.countrycode
where countrylanguage.language = 'English'
and countrylanguage.IsOfficial = 'T'
order by country.name asc

country	population	official_language
American Samoa	68000	English
Anguilla	8000	English
Antigua and Barbuda	68000	English
Australia	18886000	English
Barbados	270000	English
Belize	241000	English
Bermuda	65000	English
Canada	31147000	English
Cayman Islands	38000	English
Christmas Island	2500	English
Cocos (Keeling) Isla...	600	English
Falkland Islands	2000	English

42. How do you find the top 5 most populated cities?

```sql
select name as city, population from city
order by population desc
limit 5
```

select name as city, population from city
order by population desc
limit 5

city	population
Mumbai (Bombay)	10500000
Seoul	9981619
São Paulo	9968485
Shanghai	9696300
Jakarta	9604900

43. How do you find the countries with a population growth rate greater than 2%?

No data available in order to perform query

44. How do you find the countries with the highest number of official languages

```sql
select country.name as country,  count(*) official_language_count
from countrylanguage
inner join country
on countrylanguage.countrycode = country.code
where isofficial = 'T'
group by countrycode
order by official_language_count desc
```

select country.name as country, count(*) official_language_count from countrylanguage
inner join country
on countrylanguage.countrycode = country.code
where isofficial = 'T'
group by countrycode
order by official_language_count desc

country	official_language_count
Switzerland	4
South Africa	4
Belgium	3
Bolivia	3
Luxembourg	3
Peru	3
Singapore	3
Vanuatu	3
Afghanistan	2
Netherlands Antilles	2
American Samoa	2
Burundi	2

45. How do you find the countries with the most diverse languages?

```sql
select country.name as country, count(countrylanguage.language) as language_count
from countrylanguage
inner join country
on country.code = countrylanguage.countrycode
group by country.name
order by count(countrylanguage.countrycode) desc
```

select country.name as country, count(countrylanguage.language) as language_count
from countrylanguage
inner join country
on country.code = countrylanguage.countrycode
group by country.name
order by count(countrylanguage.countrycode) desc

country	language_count
Canada	12
China	12
India	12
Russian Federation	12
United States	12
Tanzania	11
South Africa	11
Congo, The Democratic Republic of the	10
Iran	10
Kenya	10
Mozambique	10
Nigeria	10

46. How do you find the countries with the highest number of cities with a population over 1 million?

```
select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population > 1000000
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population > 1000000
group by country.name
order by count(city.name) desc

country	no_of_cities
China	35
India	18
Brazil	13
Russian Federation	12
Japan	11
Mexico	10
United States	9
Indonesia	8
South Korea	7
Pakistan	7
Iran	5
Turkey	5

47. How do you find the countries with the highest number of cities with a population under 1 million?

```
select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population < 1000000
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population < 1000000
group by country.name
order by count(city.name) desc

country	no_of_cities
China	328
India	323
United States	265
Brazil	237
Japan	237
Russian Federation	177
Mexico	163
Philippines	132
Germany	90
United Kingdom	79
Indonesia	77
South Korea	63

48. How do you find the countries with the highest number of cities with a population between 500,000 and 1 million?

```
select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population between 500000 and 1000000
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population between 100000 and 500000
group by country.name
order by count(city.name) desc

country	no_of_cities
India	32
China	27
Russian Federation	21
United States	20
Mexico	17
Brazil	16
Japan	11
South Korea	9
Germany	9
Canada	8
Argentina	6
South Africa	6

49. How do you find the countries with the highest number of cities with a population between 100,000 and 500,000?

```
select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population between 100000 and 500000
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as no_of_cities from city

inner join country

on country.code = city.countrycode

where city.population between 100000 and 500000

group by country.name

order by count(city.name) desc

country	no_of_cities
China	279
India	260
United States	216
Japan	204
Brazil	187
Russian Federation	134
Mexico	126
Philippines	111
Germany	71
United Kingdom	61
Nigeria	60
Indonesia	55

50. How do you find the countries with the highest number of cities with a population under 100,000?

```
select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population < 100000
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as no_of_cities from city

inner join country

on country.code = city.countrycode

where city.population < 100000

group by country.name

order by count(city.name) desc

country	no_of_cities
Brazil	34
India	31
United States	29
Japan	22
China	22
Russian Federation	22
Mexico	20
Philippines	18
United Kingdom	17
Indonesia	17
Italy	17
Germany	10

51. How do you find the countries with the highest number of cities with a population over 10 million?

```
select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population > 10000000
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as no_of_cities from city

inner join country

on country.code = city.countrycode

where city.population > 10000000

group by country.name

order by count(city.name) desc

country	no_of_cities
India	1

52. How do you find the countries with the highest number of cities with a population under 10 million?

```sql
select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population < 10000000
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population < 10000000
group by country.name
order by count(city.name) desc

	country	no_of_cities
▶	China	363
	India	340
	United States	274
	Brazil	250
	Japan	248
	Russian Federation	189
	Mexico	173
	Philippines	136
	Germany	93
	Indonesia	85
	United Kingdom	81
	South Korea	70

53. How do you find the countries with the highest number of cities with a population between 1 million and 10 million?

```sql
select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population between 1000000 and 10000000
group by country.name
order by count(city.name) desc
```

select country.name as country, count(city.name) as no_of_cities from city
inner join country
on country.code = city.countrycode
where city.population between 1000000 and 10000000
group by country.name
order by count(city.name) desc

country	no_of_cities
China	35
India	17
Brazil	13
Russian Federation	12
Japan	11
Mexico	10
United States	9
Indonesia	8
South Korea	7
Pakistan	7
Iran	5
Turkey	5