

The structure of the tables and the constraints are given below. Write SQL statements for the below queries and submit them.

| Table: city | | |
|--------------------|----------|------------------------------------|
| Attribute | Domain | Remarks |
| id | int(11) | Primary key |
| name | char(35) | |
| countrycode | char(3) | Foreign key code from country Code |
| district | char(20) | |
| population | int(11) | |
| | | |

| Table: Country | | |
|-----------------------|-------------|-------------|
| Attribute | Domain | Remarks |
| Code | char(3) | Primary key |
| Name | char(52) | |
| Continent | char(20) | |
| Region | char(26) | |
| SurfaceArea | float(10,2) | |
| IndepYear | smallint(6) | |
| Population | int(11) | |
| LifeExpectancy | float(3,1) | |
| GNP | float(10,2) | |
| GNPOld | float(10,2) | |
| LocalName | char(45) | |
| GovernmentForm | char(45) | |
| HeadOfState | char(60) | |
| Capital | int(11) | |
| Code2 | char(2) | |

| Table: countrylanguage | | |
|-------------------------------|---------------|---|
| Attribute | Domain | Remarks |
| CountryCode | char(3) | Primary Key (Foreign Key from Country Code) |
| Language | char(30) | Primary Key |
| IsOfficial | enum('T','F') | |
| Percentage | float(4,1) | |

Queries:

- 1) Display country wise count of number of cities sorted by number_of_cities in descending order
- 2) Find the names of countries which have cities with names starting from Z
- 3) For each country name find the minimum, maximum and average population.
- 4) Give a list of names of countries that got independence the year Poland received its independence.
- 5) Find the names of the country that received independence earliest and latest
- 6) Find the languages spoken in countries where capital doesn't exist.
- 7) Find the countries whose life expectancy is greater than the life expectancy of India
- 8) Find the name of all the countries and languages spoken in those countries(if its available) sorted by name of countries.
- 9) Find the names of the countries that speaks all the languages that is used in New Zealand
- 10) For each country name, find the name of the city with maximum population.