DBT Problem Solving - Set - 011

***Consider the following relations***

***country {code, name, continent, region, area, indepyear, population, liveexpectance}***

***capital {id, countrycode, name}***

***city {id, name, countrycode, district, population}***

***countrylanguage {countrycode, language, isofficial, percentage}***

**Given the above relations solve the following queries.**

1. Write a query to display all the countries for the region 'Caribbean'.
2. Write a query to display the country name and the independent year that had got the independence in 19th century.
3. Write a query to display all Asian country names.
4. Write a query to display all the country name and population whose total population is more than 'Australia'.
5. Write a query to display the name of the countries along with the language spoken.
6. Write a query to display all country details whose SurfaceArea is in 5 digits.
7. Write a query to display all country details whose surfaceArea is more than ‘India’.
8. Write a query to display the name of the country having the highest population.
9. Write a query to display the name of the country having the second highest population.
10. Write a query to display the all cities of ‘India’
11. Write a query to display district wise total population.
12. Write a query to count total countries.
13. Write a query to display country name and count how many cities are there in each city.
14. Write a query to display all cities of ‘Maharashtra’.
15. Write a query to display all cities whose city name starts with ‘A’ of ‘Maharashtra’.

Answers Set – 011:

1. select country.name from country where region = 'Caribbean';
2. select country.name, IndepYear from country where left(IndepYear, 2) = 19;
3. select country.name, country.Region from country where continent='Asia';
4. select country.name, population from country where population > (select population from country where country.name='Australia');
5. select name, language from country, countrylanguage where country.code = countrylanguage.countrycode;
6. select \* from country where length(round(SurfaceArea)) = 5;

select \* from country where round(surfacearea) like '\_\_\_\_\_';

1. select \* from country where surfacearea > (select surfacearea from country where name='India')
2. select name, population from country where population = (select max(population) from country);
3. select name, population from country where population = (select max(population) from country where population < ( select max(population) from country));
4. select country.name, city.name from country, city where country.code = city.CountryCode and country.name='India';
5. select district, sum(population) from city group by district;
6. select count(\*) from country
7. select country.name, count(city.name) from country, city where country.Code = city.CountryCode group by country.name;
8. select \* from city where district = 'Maharashtra'
9. select \* from city where district = 'Maharashtra' and name like 'A%'