DBT Problem Solving - Set - 012

***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 the country name along with their capital names.
2. Write a query to print the lowest population of the world after excluding all countries having 0 populations.
3. Write a query to display all the country whose country code starts with 'I';
4. Write a query to display city wise population.
5. Write a query to display country name along with their city whose country code is 'AUS'.
6. Write a query to display the country name, city name and maximum population whose country code is 'AUS'.
7. Write a query to display all 'North America' countries.
8. Write a query to display the country name, city name and the language spoken in every city for 'JAPAN'.
9. Write a query to display the country name where life expectancy is least.
10. Write a query to display the country name where life expectancy is highest.
11. Write a query to display the world’s average life expectancy.
12. Write a query to display all country detail whose life expectancy is more than the average life expectancy of the entire world.
13. Write a query to display all the countries whose surfaceares is more than the surfaceares of 'INDIA'.
14. Write a query to display population of the city 'Kabul' and 'Teheran' in separate columns also give heading as 'Kabul Population' and 'Teheran Population' respectively.
15. Write a query to display all the countries who speaks 'Ducth' language.

Answers Set – 012:

1. select country.name, capital.name from country, capital where country.code = capital.countrycode;
2. select min(population) from country where population <> 0
3. select name from country where name like 'I%';
4. select name, population from city;
5. select country.name, city.name from country, city where country.code = city.CountryCode and code='AUS';
6. select country.name, city.name, city.population from country, city where country.code = city.CountryCode and city.countrycode = 'AUS' and city.Population = (select max(city.population) from city where countrycode = 'AUS');
7. select name, continent from country where continent = 'North America';
8. select country.name, city.name, language from country, city, countrylanguage where country.code = countrylanguage.CountryCode and country.code = city.CountryCode and country.name = 'JAPAN';
9. select name, lifeexpectancy from country where lifeexpectancy = (select min(lifeexpectancy) from country);
10. select name, lifeexpectancy from country where lifeexpectancy = (select max(lifeexpectancy) from country);
11. select avg(LifeExpectancy) from country;
12. select \* from country where LifeExpectancy > (select avg(LifeExpectancy) from country);
13. select name from country where SurfaceArea > (select SurfaceArea from country where name='INDIA');
14. select (select population from city where name='Kabul') 'Kabul Population', (select population from city where name = 'Teheran') 'Teheran Population';
15. select country.name from country, countrylanguage where country.code = countrylanguage.countrycode and countrylanguage.language = 'Dutch';