SQLZOO QUERIES

CHAPTER 2 SELECT FROM world

Ques 1 Observe the result of running this SQL command to show the name, continent and population of all countries.

Ans SELECT name, continent, population FROM world

Ques 2 Show the name for the countries that have a population of at least 200 million. 200 million is 200000000, there are eight zeros.

Ans SELECT name FROM world

WHERE population >= 200000000

Ques 3 Give the name and the **per capita GDP** for those countries with a population of at least 200 million.

Ans SELECT name, gdp/population AS per\_capita\_gdp FROM world

WHERE population >= 200000000;

Ques 4 Show the name and population in millions for the countries of the continent 'South America'. Divide the population by 1000000 to get population in millions.

Ans SELECT name, population/1000000 AS population\_in\_millions FROM world

WHERE continent = 'South America';

Ques 5 Show the name and population for France, Germany, Italy

Ans SELECT name, population FROM world

WHERE name IN ('France', 'Germany', 'Italy')

Ques 6 Show the countries which have a name that includes the word 'United'

Ans SELECT name FROM world

Where name LIKE '%United%';

Ques 7 Show the countries that are big by area or big by population. Show name, population and area.

Ans SELECT name, population, area FROM world

WHERE area > 3000000 OR population > 250000000;

Ques 8 Exclusive OR (XOR). Show the countries that are big by area (more than 3 million) or big by population (more than 250 million) but not both. Show name, population and area.

Ans SELECT name, population, area FROM world

WHERE area > 3000000 XOR population > 250000000;

Ques 9 For South America show population in millions and GDP in billions both to 2 decimal places.

Ans SELECT name, ROUND(population/1000000,2), ROUND(GDP/1000000000,2)

FROM world

WHERE continent = 'South America';

Ques 10 Show per-capita GDP for the trillion dollar countries to the nearest $1000.

Ans SELECT name, ROUND(gdp/population, -3) AS per\_capita\_gdp FROM world

WHERE gdp >= 1000000000000;

Ques 11 Show the name and capital where the name and the capital have the same number of characters.

Ans SELECT name, capital FROM world

WHERE LENGTH(name) = LENGTH(capital);

Ques 12 Show the name and the capital where the first letters of each match. Don't include countries where the name and the capital are the same word.

Ans SELECT name, capital

FROM world

WHERE LEFT(name, 1) = LEFT(capital, 1) AND name <> capital;

Ques 13 Find the country that has all the vowels and no spaces in its name.

Ans SELECT name

FROM world

WHERE name LIKE '%a%' AND name LIKE '%e%' AND name LIKE '%i%'

AND name LIKE '%o%' AND name LIKE '%u%' AND name NOT LIKE '% %';