SQLZOO QUERIES

CHAPTER 4 SELECT WITHIN SELECT

Ques 1 List each country **name** where the **population** is larger than that of 'Russia'.

Ans SELECT name FROM world

WHERE population >(SELECT population FROM world WHERE name='Russia');

Ques 2 Show the countries in Europe with a per capita GDP greater than 'United Kingdom'.

Ans SELECT name FROM world

WHERE continent = 'Europe' and (gdp/population) >(SELECT gdp/population FROM

world WHERE name = 'United Kingdom');

Ques 3 List the **name** and **continent** of countries in the continents containing either **Argentina** or **Australia**. Order by name of the country.

Ans SELECT name, continent FROM world

WHERE continent IN(SELECT DISTINCT continent FROM world WHERE name IN

('Argentina', 'Australia'))

ORDER BY name;

Ques 4 Which country has a population that is more than United Kingdom but less than Germany? Show the name and the population.

Ans SELECT name, population FROM world

WHERE population < (SELECT population FROM world WHERE name = 'Germany')

AND population > (SELECT population FROM world WHERE name = 'United

Kingdom');

Ques 5 Show the name and the population of each country in Europe. Show the population as a percentage of the population of Germany.

Ans SELECT name, CONCAT(ROUND(100\*population/(SELECT population FROM world

WHERE name = 'Germany'))

,'%') AS percentage

FROM world

WHERE continent = 'Europe';

Ques 6 Which countries have a GDP greater than every country in Europe? [Give the **name** only.] (Some countries may have NULL gdp values)

Ans SELECT name FROM world

WHERE gdp > (SELECT MAX(gdp) FROM world WHERE continent = 'Europe' AND gdp IS

NOT NULL);

Ques 7 Find the largest country (by area) in each continent, show the **continent**, the **name** and the **area**:

Ans SELECT continent, name, area FROM world x

WHERE area >= ALL

(SELECT area FROM world y WHERE y.continent = x.continent AND area>0)

Ques 8 List each continent and the name of the country that comes first alphabetically.

Ans SELECT continent, MIN(name) AS name FROM world

GROUP BY continent

Ques 9 Find the continents where all countries have a population <= 25000000. Then find the names of the countries associated with these continents. Show **name**, **continent** and **population**.

Ans SELECT name, continent, population FROM world

WHERE continent IN(SELECT continent FROM world GROUP BY continent HAVING

MAX(population) <= 25000000)

Ques 10 Some countries have populations more than three times that of all of their neighbours (in the same continent). Give the countries and continents.

Ans SELECT w1.name, w1.continent FROM world w1

WHERE w1.population > 3 \* (SELECT MAX(w2.population) FROM world w2 WHERE

w1.continent = w2.continent AND w1.name != w2.name)