1. Country names

SELECT DISTINCT ctry.Name  
FROM Country AS ctry;  
  
LIMIT 0 , 30

1. Country count per continent

SELECT ctry.Continent, count( Code ) AS Number  
FROM Country AS ctry  
GROUP BY ctry.Continent;

1. Cities per Country

SELECT ctry.Name, count( cty.Name ) AS number  
FROM Country AS ctry  
INNER JOIN City AS cty ON cty.CountryCode = ctry.Code  
GROUP BY ctry.Name;

1. How many cities are in each country that has Spanish as its official language

SELECT ctry.Name, count( cty.Name ) AS number  
FROM Country AS ctry  
INNER JOIN City AS cty ON cty.CountryCode = ctry.Code  
INNER JOIN CountryLanguage AS cl ON ctry.Code = cl.CountryCode  
WHERE cl.Language = "Spanish" && cl.IsOfficial = 'T'  
GROUP BY ctry.Name

EX10.1

1. Using table aliases create a query that will display each distinct country name from the Country table that has a city name that begins with “San “ like San Diego. The list should be alphabetic by country name.

Select distinct ctry.Name from Country as ctry inner join City as cty on cty.CountryCode = ctry.Code Where cty.Name like "San %"

Ex10.2

1. Rewrite the query in #1 to display the country name and number of cities in each country. The list should be ordered by the country name.

SELECT DISTINCT ctry.Name, count( cty.ID ) AS Cities  
FROM Country AS ctry  
INNER JOIN City AS cty ON cty.CountryCode = ctry.Code  
WHERE cty.Name LIKE "San %"  
GROUP BY ctry.Name;

Ex10.3

SELECT DISTINCT ctry.Name, count( cty.ID ) AS Cities, cty.Population  
FROM Country AS ctry  
INNER JOIN City AS cty ON cty.CountryCode = ctry.Code  
WHERE cty.Name LIKE "San %"  
GROUP BY ctry.Name  
HAVING cty.Population >150000

Last column is just stupid

SELECT DISTINCT ctry.Name, count( cty.ID ) AS Cities FROM Country AS ctry  
INNER JOIN City AS cty ON cty.CountryCode = ctry.Code  
WHERE cty.Population > 150000 GROUP BY ctry.Name  
HAVING cty.Name LIKE "San %"

10.4

SELECT ctry.Continent, Count( cty.Name ) , AVG( cty.Population )   
FROM Country AS ctry  
INNER JOIN City AS cty ON ctry.Code = cty.CountryCode  
GROUP BY ctry.Continent

10.5