EJERCICIO 2

A) select name,population

from country

where name = 'Argentina'

B)select distinct continent

from country

c)select name,population

from country

where continent = 'South America' and population > 15000000

d)select name,gnp

from country

order by gnp desc

limit 10

e)select count(name), governmentform

from country

group by governmentform

order by count(name) desc

F)select continent, sum(surfacearea)

from country

group by continent

order by sum(surfacearea) asc

G)select continent, count(name)

from country

group by continent

having count(name)>15

H)select continent, count(name)

from country

where population > 20000000

group by continent

having count(name)>15

SUBQUERIES

A) Devuelve el pais con menor expectativa de vida

B)select name, lifeexpectancy

from country

where lifeexpectancy = (select min(lifeexpectancy) from country) or lifeexpectancy = (select max(lifeexpectancy) from country)

C)select name,indepyear

from country

where continent= (select continent from country where indepyear = (select min (indepyear) from country))

D)select continent

from country

group by continent

order by sum(gnp) desc

limit 4

JOINS

A) select country.name,countrylanguage.language

from country

inner join countrylanguage on country.code = countrylanguage.countrycode

where continent = 'Oceania'

B)

select country.name,countrylanguage.countrycode, count (\*) as Repeticiones

from countrylanguage

inner join country on country.code = countrylanguage.countrycode

group by name,countrycode

order by count(\*) desc

C)

select c.name, l.language, c.continent

from country c inner join countrylanguage l on c.code=l.countrycode

where c.continent=(select continent

from country

where continent not in (select continent from country where continent='Antarctica')

group by continent

order by sum(gnp) asc

limit 1)

D) select a.name, a.population as populationTotal, sum(b.population) as populationCity, (sum(b.population)\*100/a.population) as porcentaje

from country a inner join city b on a.code=b.countrycode

group by a.population, a.name

order by porcentaje desc

EJERCICIO 3

CITY

PK = id

COUNTRY

PK = code

FK = capital (id)

COUNTRYLANGUAGE

PK = countrycode

FK = countrycode (code)

PK: Identifica de forma unica a cada fila de una tabla.

FK: Identifica una columna o grupo de columnas en una tabla (referendo) que se refiere a una columna o grupo de columnas en otra tabla (referenciada). Las columnas en la tabla referendo deben ser clave primeria en tabla referenciada.

INSERT INTO stats

SELECT code

FROM country

AS t(countrycode character(3))

UPDATE stats

SET cant\_lenguas = subquery.pepe

FROM (SELECT countrycode,count (language) as pepe FROM countrylanguage GROUP BY countrycode) AS subquery

WHERE stats.countrycode = subquery.countrycode

UPDATE stats

SET pop\_urbana = subquery.pepe

FROM (SELECT countrycode, sum (population) as pepe FROM city GROUP BY countrycode) AS subquery

WHERE stats.countrycode = subquery.countrycode