

Simples sobre una sola tabla

- 1) select population from country where name = 'Argentina'
- 2) select distinct continent from country
- 3) select name from country where region ='South America' and population >= 15000000
- 4) select name, gnp as PBI from country order by PBI desc limit 10
- 5) select governmentform as formaGobierno, count(governmentform) as cantidad from country
group by formaGobierno
order by cantidad desc
- 6) select continent, sum(surfacearea) as superficie from country group by continent order by
superficie desc
select continent, sum(surfacearea)/1000000 as superficieMilloneskm2 from country group by
continent
order by superficieMilloneskm2 desc
- 7) select continent, count(continent) as cantidadpaíses from country group by continent having
count(continent) > 15
order by cantidadpaíses desc
- 8)select continent, count(continent) as cantidadpaíses from country where population >
20000000
group by continent having count(continent) > 15 order by cantidadpaíses desc

Subqueries

- 1) Primero se ejecuta la sub-consulta, que nos devuelve la minima esperanza de vida de la tabla países. Luego se ejecuta la consulta principal que devuelve el nombre y la esperanza de vida de aquel/aquellos países que tengan la esperanza de vida devuelta por la subconsulta
- 2)select name, lifeexpentancy from country
where lifeexpectancy = (select min(lifeexpentancy) from country)
or lifeexpectancy = (select max(lifeexpentancy) from country)
- 3)select name, indepyear from country
where continent = (select continent from country where indepyear = (select min(indepyear) from country))
- 4)select distinct continent from country
where continent not in(select continent from country group by continent order by sum(gnp) asc limit 1)}

Joins

- 1)select c.name, cl.language from country c inner join countrylanguage cl
on c.code = cl.countrycode where c.continent = 'Oceania'

```
select c.name, cl.language from country c, countrylanguage cl
where c.code = cl.countrycode c.continent = 'Oceania'
```

```
2)select c.name, count(cl.countrycode) as cantidadlenguas from country c inner join
countrylanguage cl
on c.code = cl.countrycode group by c.name, cl.countrycode having count(cl.countrycode) > 1
order by cantidadlenguas desc
```

```
3) select distinct cl.language from country c inner join countrylanguage cl
on c.code = cl.countrycode
where c.continent = (select continent from country where continent != 'Antarctica' group by
continent order by sum(gnp) asc limit 1)
```

4) Los nombres de los países y sus respectivas poblaciones calculada de acuerdo al campo de la tabla country:

```
select c.name, c.population as poblacion_Segun_Tabla_Country,
sum(ci.population) as poblacion_Segun_La_Suma_De_Ciudades ,
(sum (ci.population))*100/c.population as porcentajePoblacionUrbana
from country c inner join city ci on c.code = ci.countrycode
group by c.name,poblacion_Segun_Tabla_Country order by porcentajePoblacionUrbana desc
```

Estos países dan mal porque están mal los datos, tienen mas poblacion en las ciudades que la poblacion total

Singapore SGP sumaDeCiudades = 4017733 poblacionTotal = 3567000
Cocos Islands CCK = 670 poblacionTotal = 600
Gibraltar GIB = 27025 poblacionTotal = 25000

EJERCICIO 3

```
SELECT C.CODE, COUNT(CL.LANGUAGE), sum(ci.population) as poblacionSumaCiudades
FROM COUNTRY C INNER JOIN countrylanguage CL ON C.CODE = CL.countrycode
inner JOIN CITY CI ON CI.countrycode = C.CODE
group by c.code
order by c.code
```

```
CREATE TABLE stats (
  countrycode character(3) NOT NULL,
  cant_lenguas integer NOT NULL,
  pop_urbana integer NOT NULL
);
```

```
INSERT INTO STATS
(select c.code, 0 , sum(ci.population) as poblacionUrbana
from country c, city ci
where c.code = ci.countrycode
group by c.code
order by c.code)
```

```
UPDATE STATS
SET CANT_LENGUAS = SUBQUERY.CANT_LENGUAS
FROM
(select count(cl.language) AS CANT_LENGUAS, C.CODE
from country c, countrylanguage cl
where c.code = cl.countrycode
group by c.code
order by c.code) AS SUBQUERY
WHERE STATS.countrycode = SUBQUERY.CODE
```

```
ALTER TABLE ONLY stats
  ADD CONSTRAINT stats_pkey PRIMARY KEY (countrycode);
```

```
ALTER TABLE ONLY stats
  ADD CONSTRAINT stats_fkey FOREIGN KEY (countrycode) REFERENCES country(code);
```

```
CREATE TABLE SITIO(
    ID INTEGER PRIMARY KEY,
    ENTIDAD VARCHAR NOT NULL,
    TIPO_ENTIDAD VARCHAR NOT NULL,
    PAIS VARCHAR NOT NULL,
    COUNTRYCODE character(3) NOT NULL
);
```

```
ALTER TABLE ONLY SITIO
    ADD CONSTRAINT sitio_fkkey FOREIGN KEY (COUNTRYCODE) REFERENCES
country(code);
```

```
UPDATE country SET code2='UK' where code = 'GBR'
```

```
Ejercicio 5)1)
select *
from sitios1 , sitios2
where s1 . countrycode = s2 . countrycode
and s1 . entidad like 'a %' and s2 . entidad like 'b%'
limit 100
```

La siguiente query consulta sobre dos instancias de la tabla sitios. Como hay un asterisco mostrará los resultados de las instancias de forma apaisada, en primer lugar busca todas las entidades que arranquen con 'a' y en la segunda instancia todas aquellas que arrancan con 'b'. Limitando en 100 los resultados, pero no van a ser solamente 100 resultados ya que al mostrar la información de forma apaisada en total serían 200 resultados.

5)2):

Ejercicio 6

select name,population from country order by name

select name,gnp from country order by name

select count(*),c.name from sitio s inner join country c on s.countrycode = c.code group by
c.name