

Screencast 4-2

Aggregate function in SQL

Use database DBWORLD

Task 1

What is the population in each region? Find only countries with known population

```
select region as r, sum(population) from country
where population > 0
group by r
```

Task 2

What regions have more than 10 countries?

```
select region from country
group by region
having count(*) >10;
```

Task 3

Calculate the number of countries that became independant in the same decade. Write a query to display century, decade and the respective number of countries. Do not show countries with empty year of independency.

```
select floor((indepyear/10.0)) + 1 as decade, floor(indepyear/100.0) + 1 as century,
count(*) as countries
from country
where indepyear is not null
group by decade, century
order by century desc, decade desc
```

Task 4

what is average city population in countries of Africa?

```
select c.name as country_name, avg(ct.population) as city_avg_population from country as c
join city as ct on ct.countrycode = c.code
where c.continent = 'Africa'
group by country_name
order by city_avg_population desc
```