Screencast 4-3

Non-correlated subqueries in WHERE

Use database DBWORLD

Task 1

Find countries that have the most populated cities? most populated = first 50 cities by number of citizens

```sql
select distinct c.name
from country as c join city as ct on c.code=ct.countrycode
where ct.id in (select city.id from city order by population desc limit 50)
;
```

Task 2

In which countries capital's population is greater than average capital population in the world?

```sql
select c."name" as country_name, capital.population from country as c join city as capital
on c.capital=capital.id
where capital.population > (select avg(capital.population) as avg_p from country as c join
city as capital on c.capital=capital.id)

select avg(capital.population) as avg_p from country as c join city as capital on
c.capital=capital.id
```

Task 3

What language is spoken in Africa and Asia? (use subquery)

```sql
select distinct "language" from countrylanguage as cl join country as c on
c.code=cl.countrycode
where c.continent in ('Asia', 'Africa')

select distinct "language" from countrylanguage as cl join country as c on
c.code=cl.countrycode
where c.continent = 'Asia';


select distinct "language" from countrylanguage as cl join country as c on
c.code=cl.countrycode
where c.continent = 'Africa';

select distinct "language" from countrylanguage as cl join country as c on
c.code=cl.countrycode
```

```sql
where cl."language" in (select distinct "language" from countrylanguage as cl join country
as c on c.code=cl.countrycode
where c.continent = 'Asia')
and cl."language" in  (select distinct "language" from countrylanguage as cl join country as
c on c.code=cl.countrycode
where c.continent = 'Africa')
```