

Screencast 4-5

ALL and ANY in WHERE

Use database DBWORLD

Task 1

What North American country has population that exceeds number of people in each Asian city?

```
select ct.population from country as c join city as ct on c.code = ct.countrycode

select * from country where continent = 'North America'
and population > all (select ct.population from country as c join city as ct on c.code =
ct.countrycode)
```

Task 2

Find number of people speaking each language. Is it possible for some language to have more native speakers than the population of some country from top-10 countries by number of citizens in North and South America?

```
select sum(population * percentage * 0.01), cl."language" from countrylanguage as cl join
country as c on c.code=cl.countrycode
group by cl."language"
having sum(population * percentage * 0.01) > any (select population from country where
continent in ('North America', 'South America') order by population desc limit 10);

select population from country where continent in ('North America', 'South America') order
by population desc limit 10;
```

Task 3

Why this query does not work?

```
select * from country where 10000 > all (select distinct indepyear from country)
```

```
select * from country where 10000 > all (select distinct coalesce(indepyear, 0) from
country)
```