Домашнее задание 2

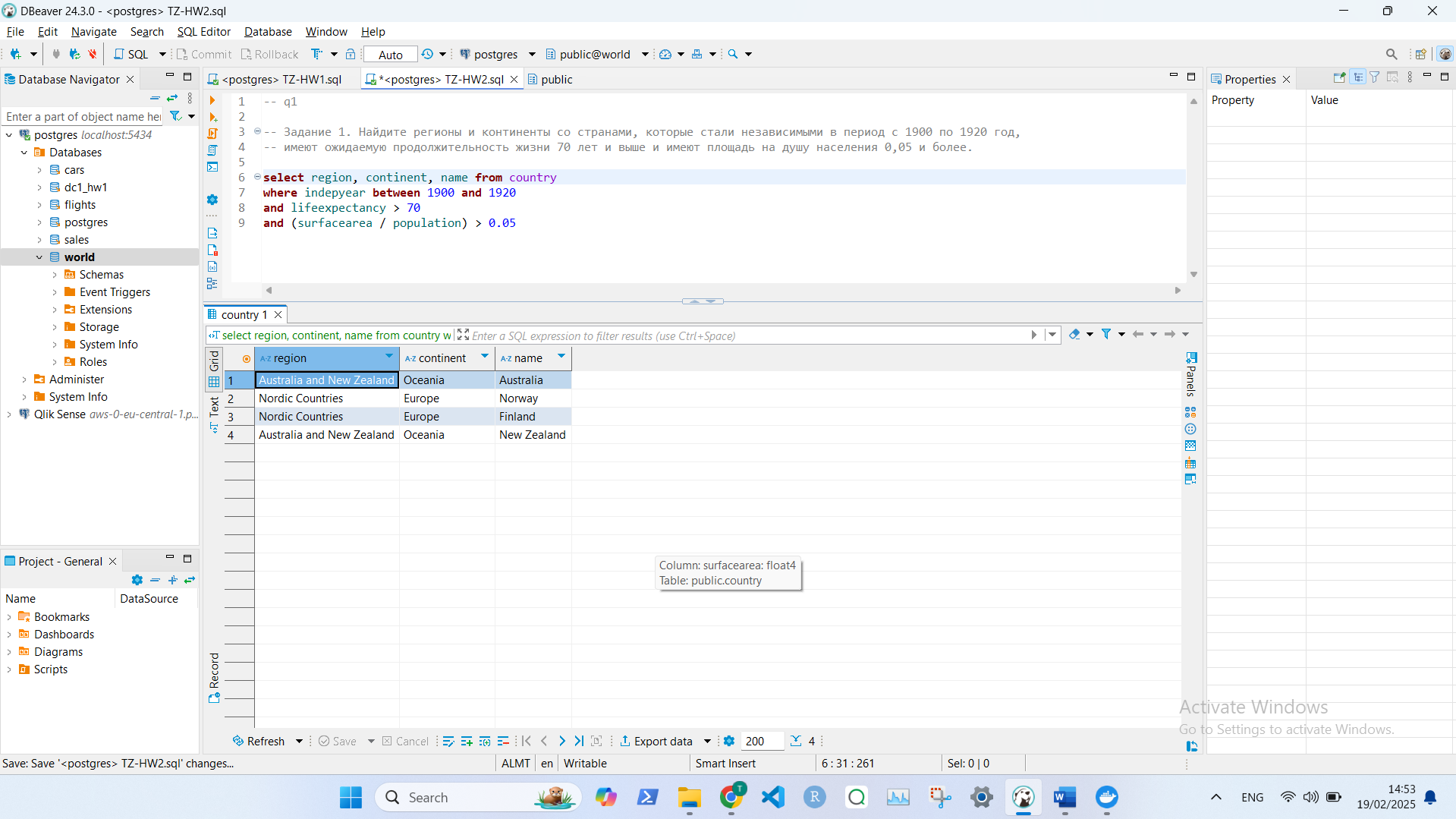
**Задание 1.**

*select region, continent, name from country*

*where indepyear between 1900 and 1920*

*and lifeexpectancy > 70*

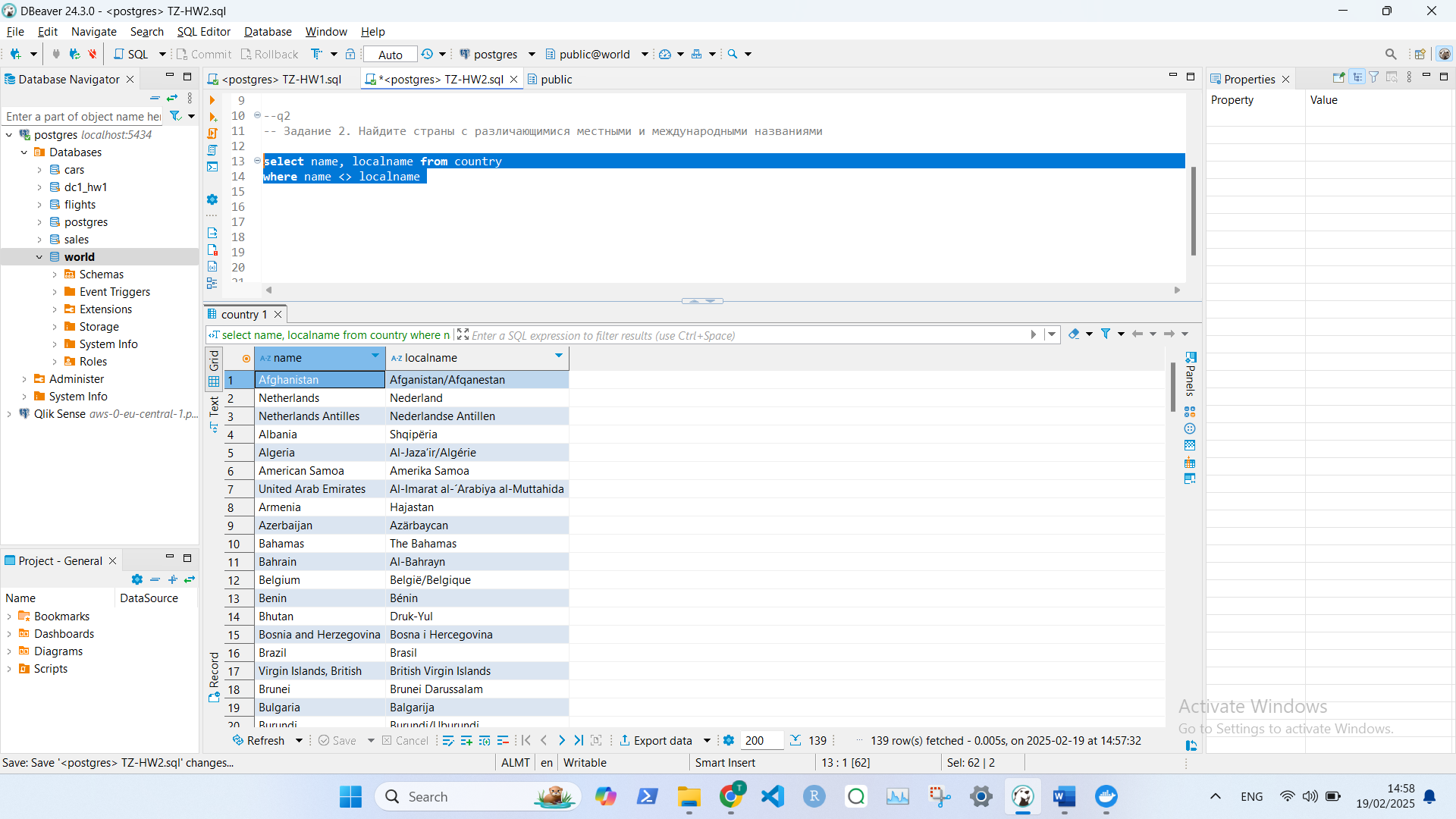
*and (surfacearea / population) > 0.05*



**Задание 2.**

*select name, localname from country*

*where name <> localname*



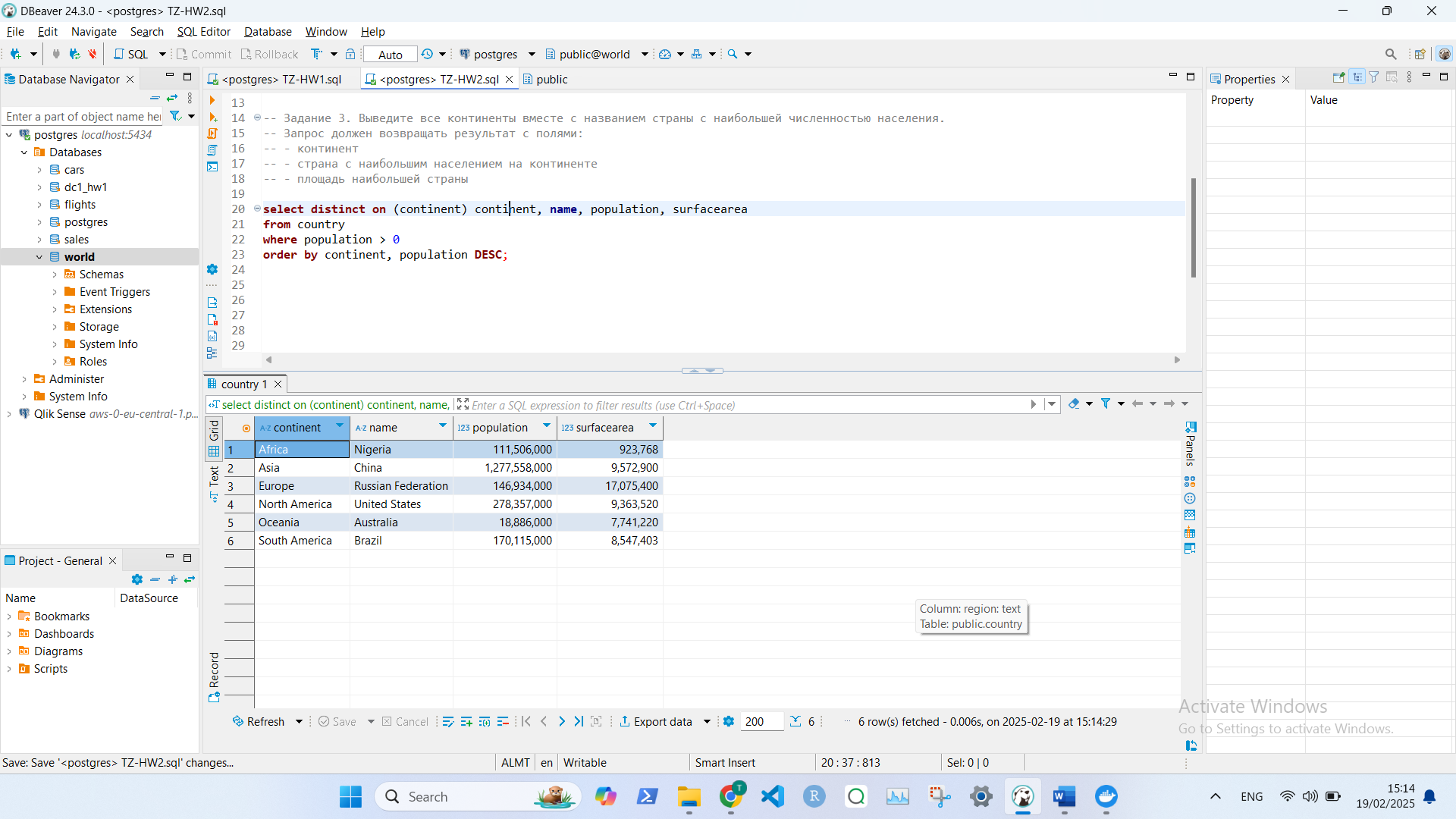
**Задание 3.**

*select distinct on (continent) continent, name, population, surfacearea*

*from country*

*where population > 0*

*order by continent, population DESC;*

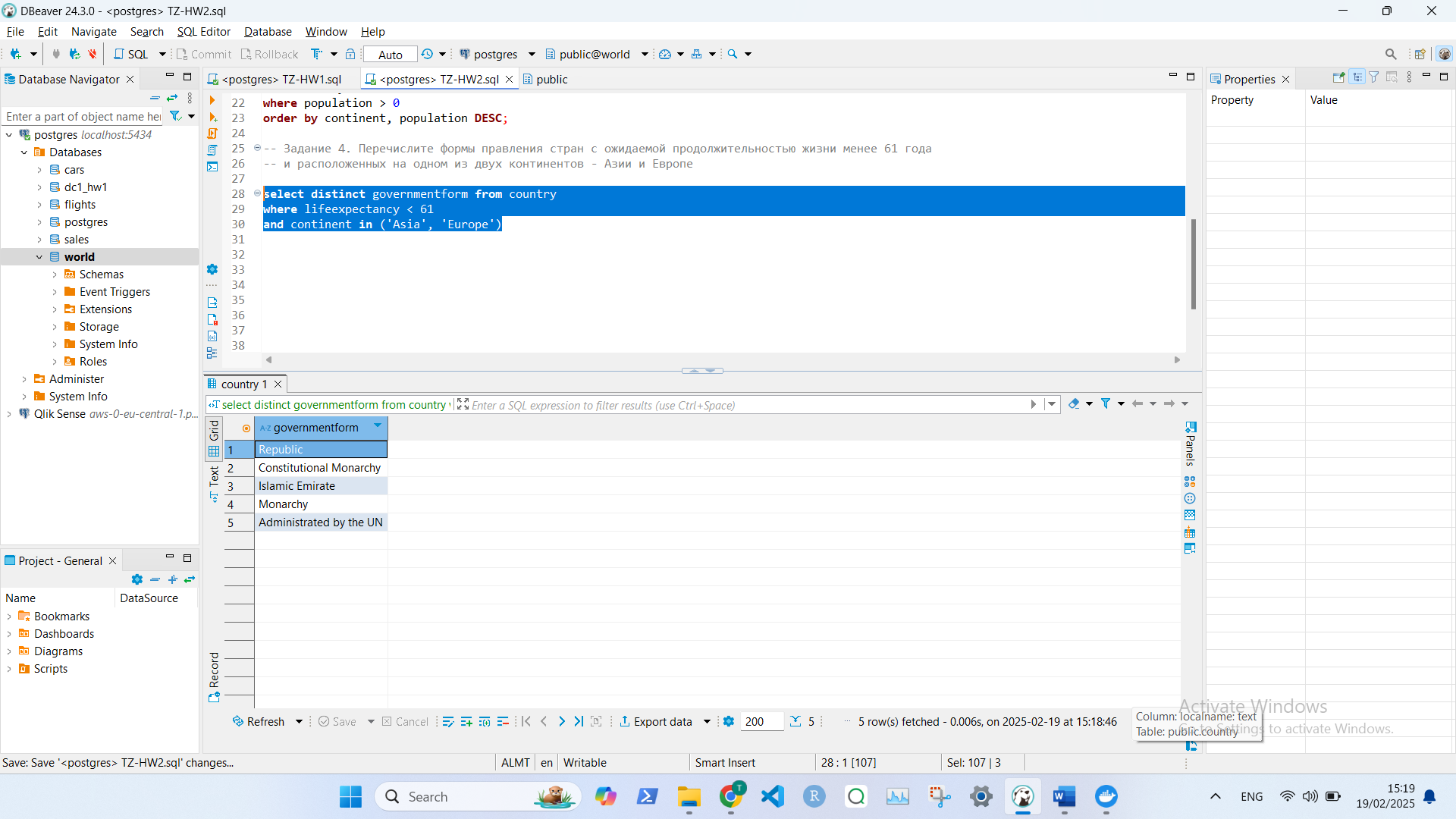


**Задание 4.**

*select distinct governmentform from country*

*where lifeexpectancy < 61*

*and continent in ('Asia', 'Europe')*

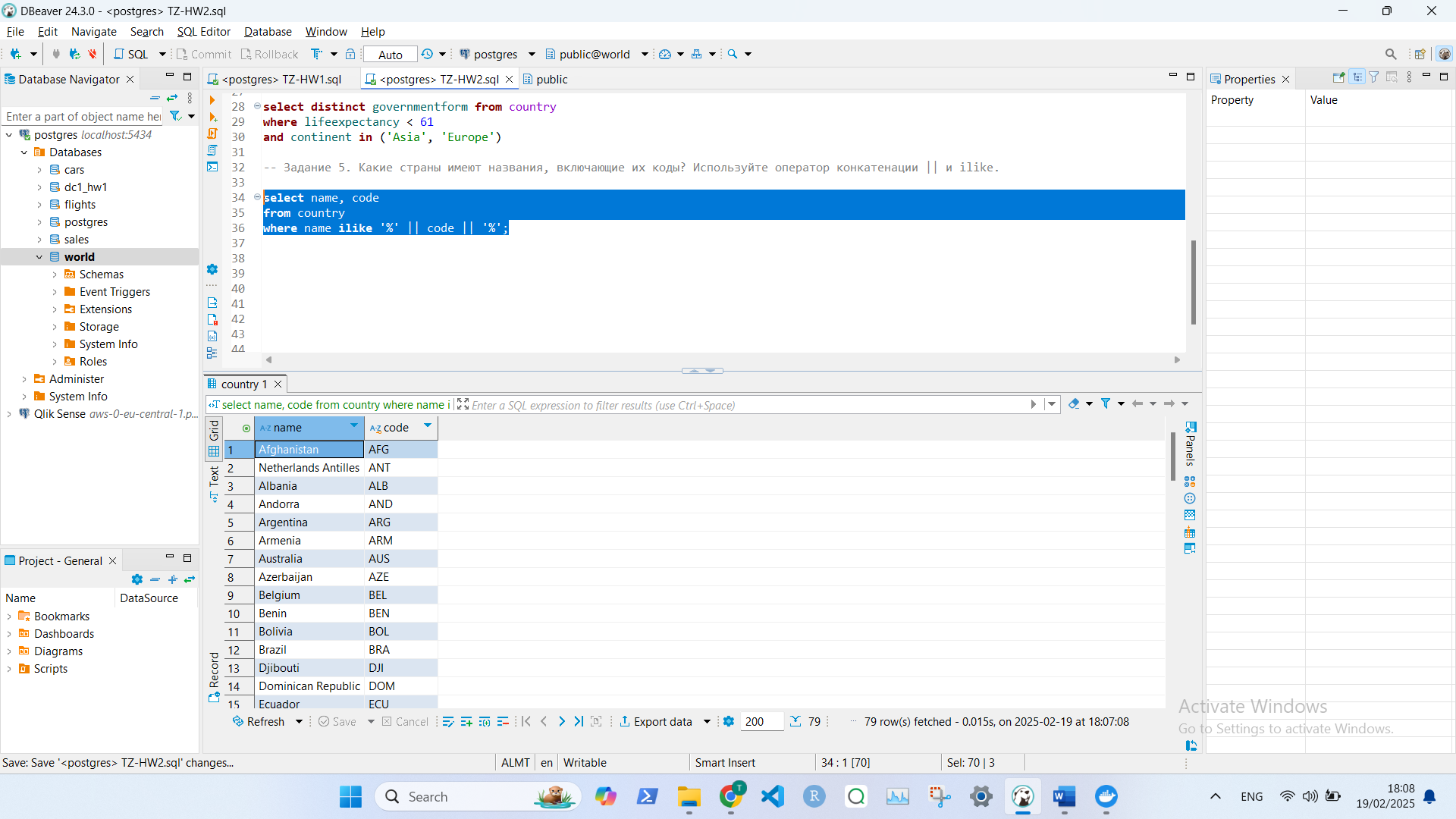


**Задание 5.**

*select name, code*

*from country*

*where name ilike '%' || code || '%';*

**Задание 6.**

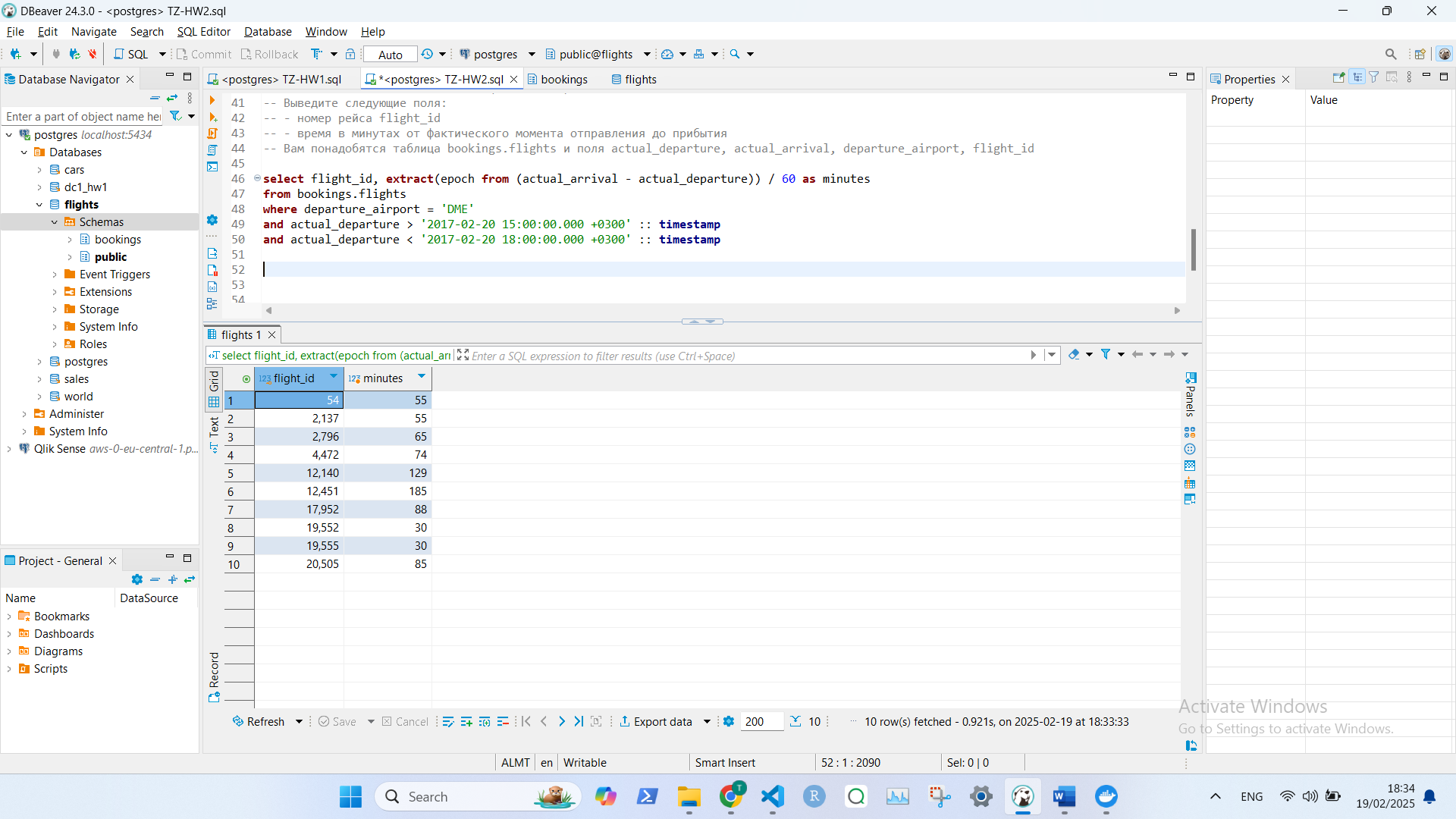
*select flight\_id, extract(epoch from (actual\_arrival - actual\_departure)) / 60 as minutes*

*from bookings.flights*

*where departure\_airport = 'DME'*

*and actual\_departure > '2017-02-20 15:00:00.000 +0300' :: timestamp*

*and actual\_departure < '2017-02-20 18:00:00.000 +0300' :: timestamp*



**Здание 7.**

*select c.code, c.name, c2.language, c2.isofficial, c2.percentage,*

*round(c.population \* c2.percentage/100) as people\_speak*

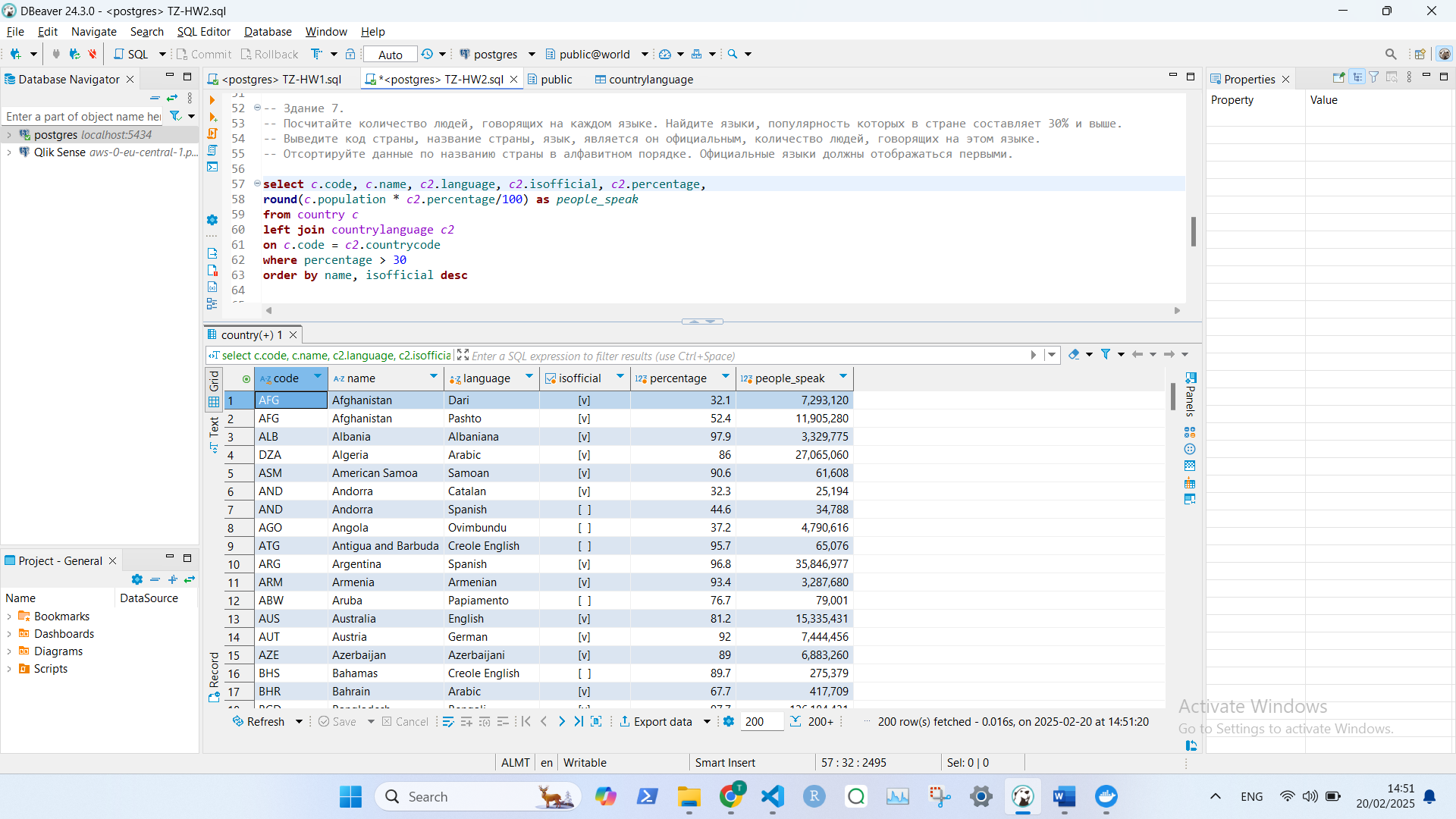
*from country c*

*left join countrylanguage c2*

*on c.code = c2.countrycode*

*where percentage > 30*

*order by name, isofficial desc*

****

**Запрос 8.**

*select c2.name, c2.population*

*from country c*

*left join city c2*

*on c.code = c2.countrycode*

*-- and c.capital = c2.id -- кажется нужно только для столиц*

*left join countrylanguage c3*

*on c.code = c3.countrycode*

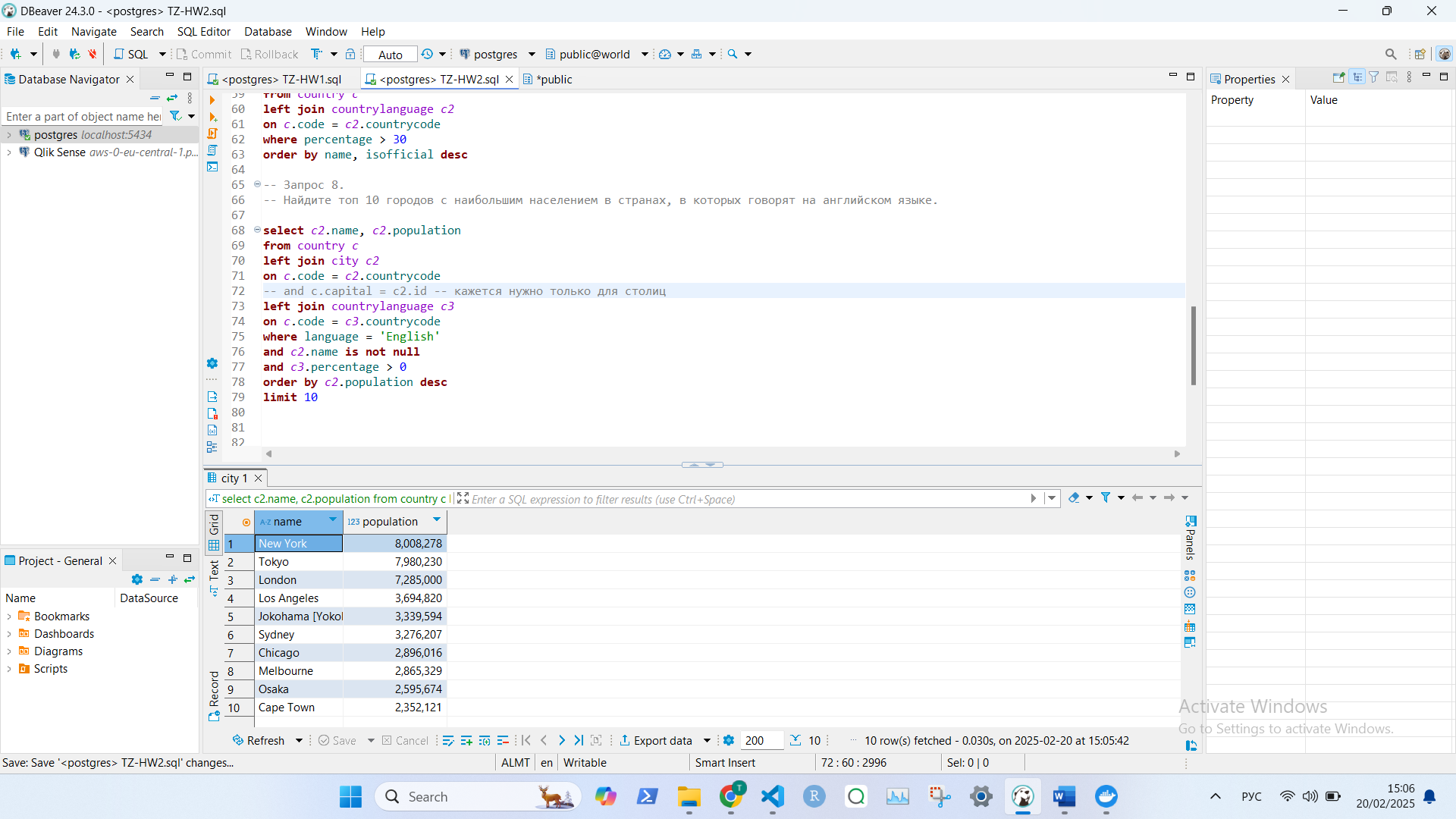
*where language = 'English'*

*and c2.name is not null*

*and c3.percentage > 0*

*order by c2.population desc*

*limit 10*



**Запрос 9.**

*with temp\_table as (select distinct name as geo\_name, 'Страна' as geo\_type from country*

*union*

*select distinct continent as geo\_name, 'Континент' as geo\_type from country*

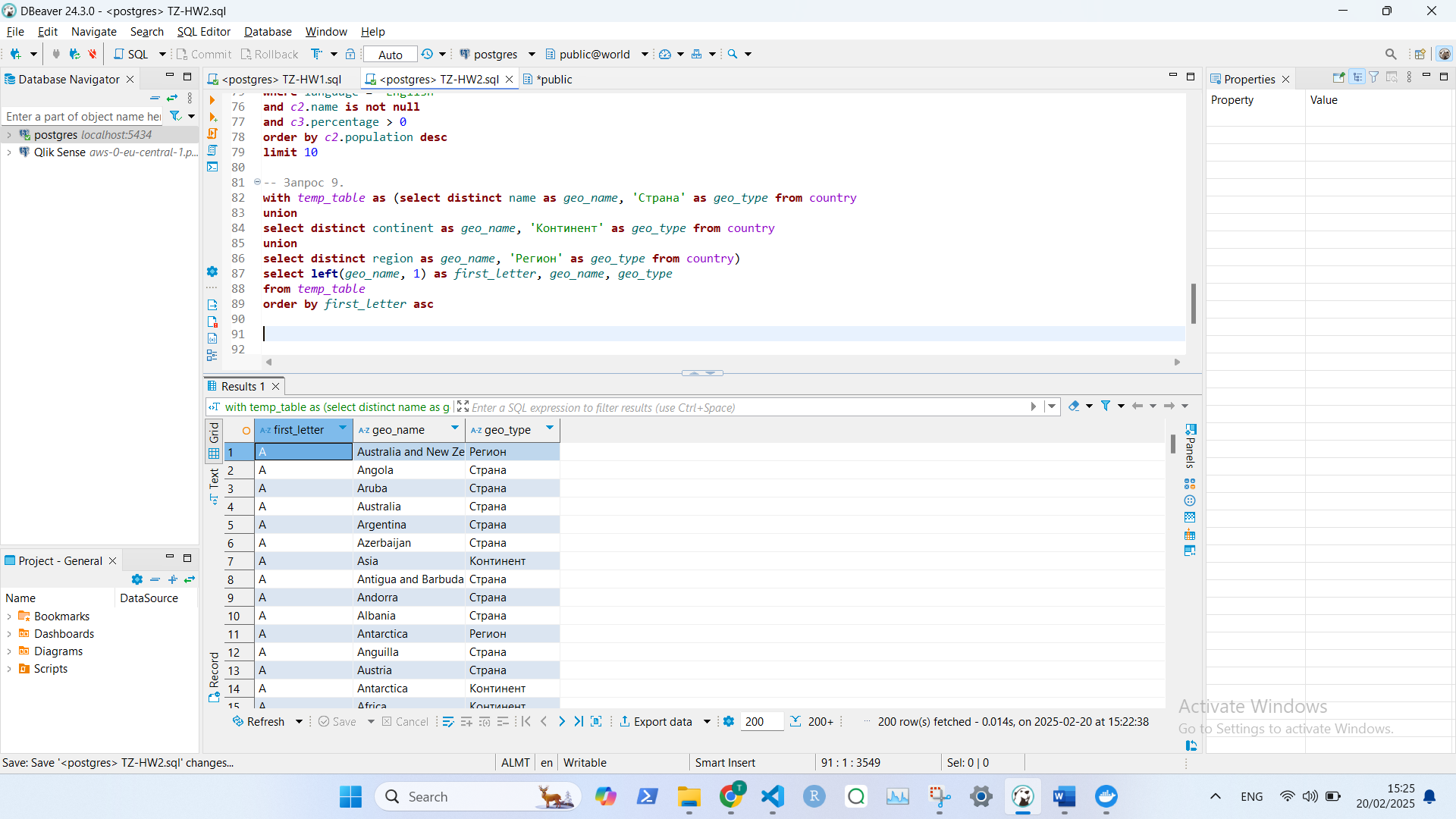
*union*

*select distinct region as geo\_name, 'Регион' as geo\_type from country)*

*select left(geo\_name, 1) as first\_letter, geo\_name, geo\_type*

*from temp\_table*

*order by first\_letter asc*



**Запрос 10**

*with*

*capitals\_table as (*

*select c.name as country\_name,*

*c2.name as capital\_name, c2.population as capital\_population*

*from country c*

*left join city c2*

*on c.code = c2.countrycode*

*and c.capital = c2.id),*

*city\_table as*

*(select continent, c.name as country\_name,*

*c2.name as city\_name, c2.population as city\_population*

*from country c*

*left join city c2*

*on c.code = c2.countrycode*

*and c.capital <> c2.id)*

*select continent, capitals\_table.country\_name, capital\_name, capital\_population, city\_name,*

*city\_population, cast(city\_population AS FLOAT) / capital\_population AS ratio*

*from*

*capitals\_table right join city\_table*

*on capitals\_table.country\_name = city\_table.country\_name*

*order by continent, city\_name*

