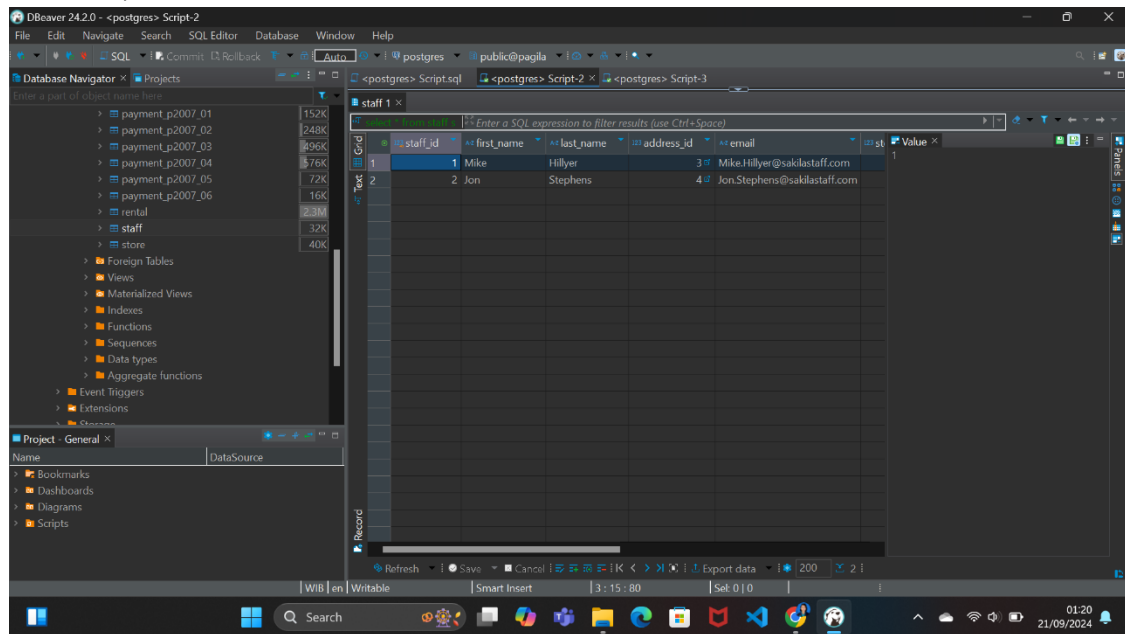# QUERY PRACTICE TASK

-- 1. Show all fields and records from the staff table

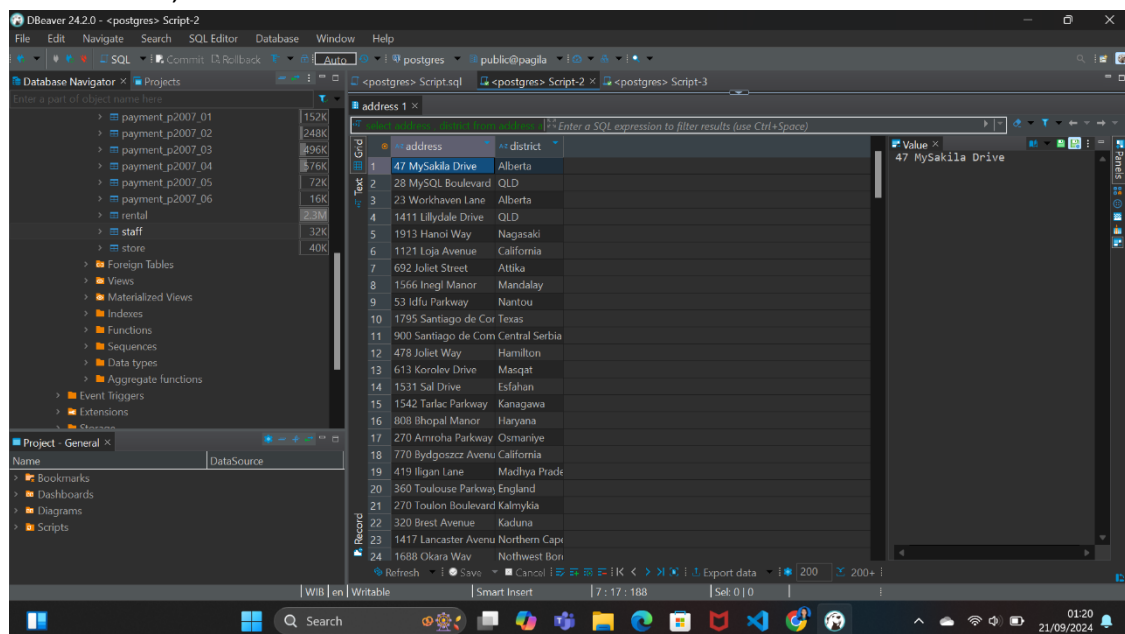**select** *

from staff *s* ;

-- 2. Show address and district columns from address table

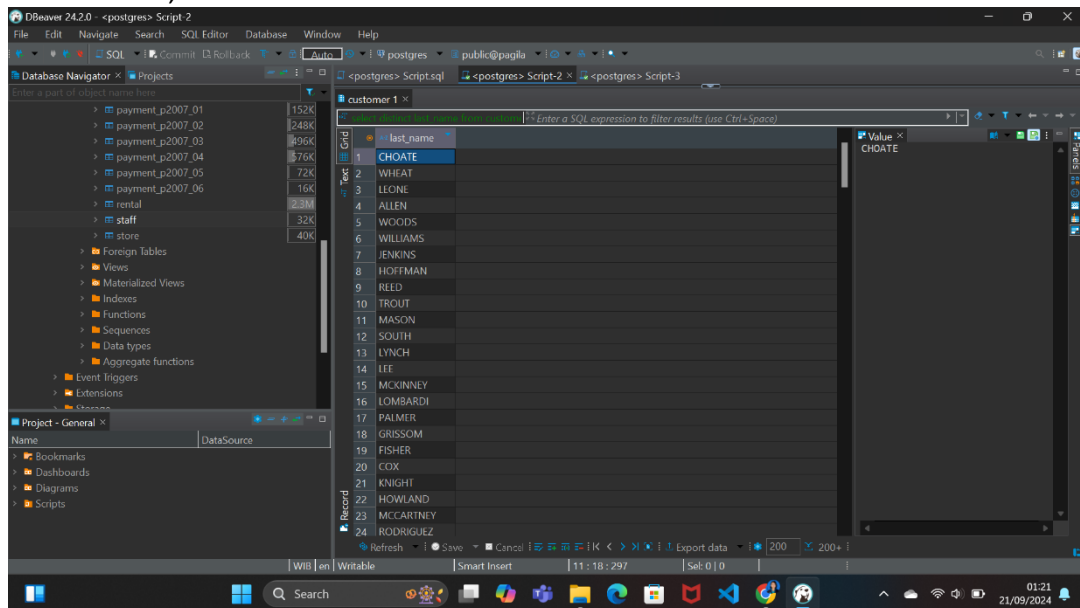**select** address , district

from address *a* ;

-- 3. Show all the distinct last names from customer table
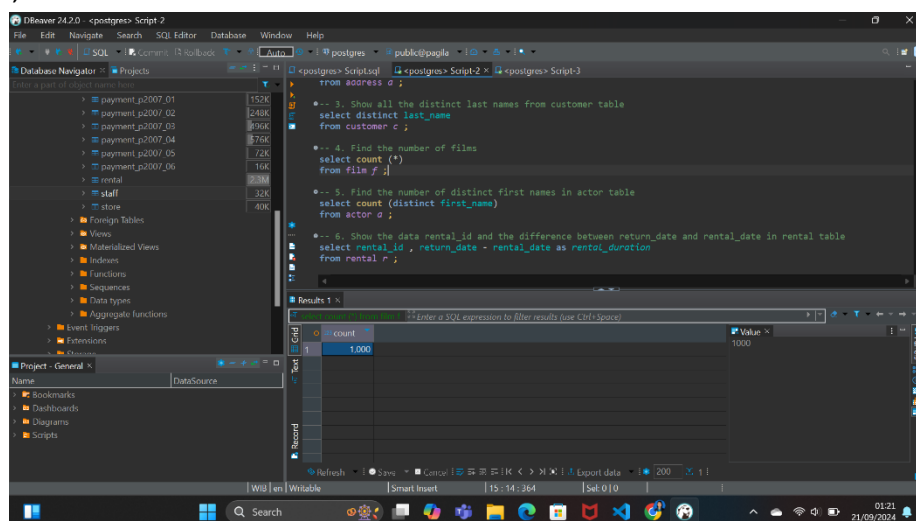
select distinct last_name

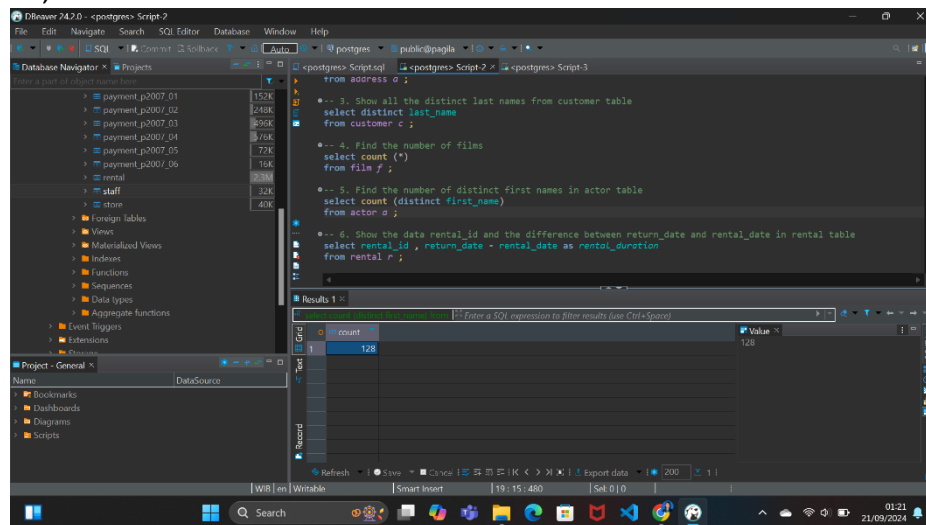**from** customer *c* ;

-- 4. Find the number of films

select count (*)

from film *f* ;

-- 5. Find the number of distinct first names in actor table

select count (**distinct** first_name)
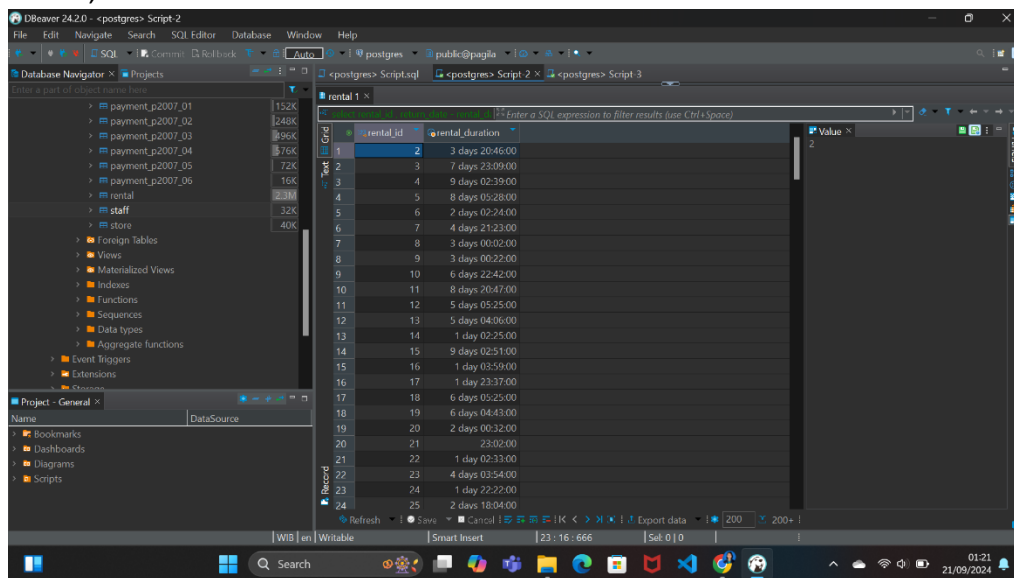
from actor *a* ;

-- 6. Show the data rental_id and the difference between return_date and rental_date in rental table

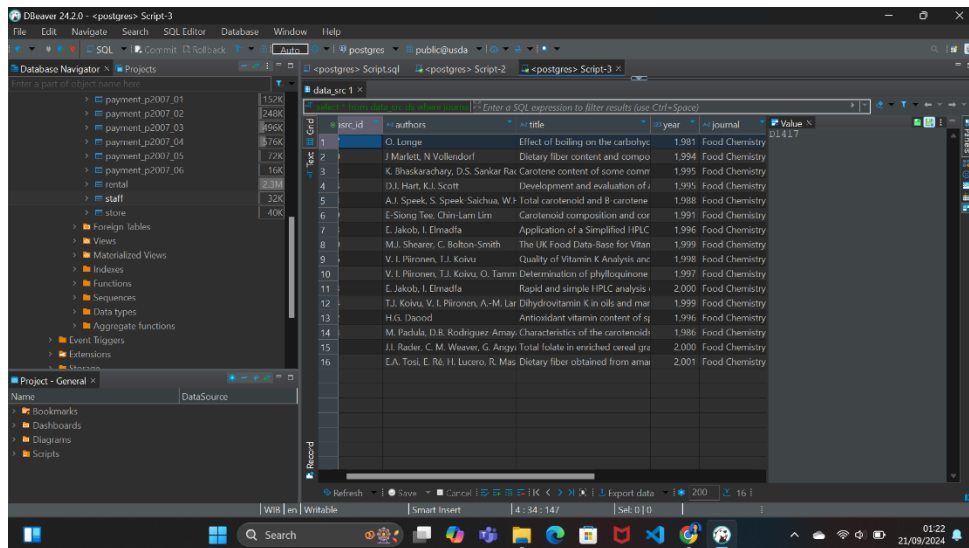**select** rental_id , return_date - rental_date **as** *rental_duration*

from rental *r* ;

-- 1. Select all records data_src which came from the journal name 'Food Chemistry'

select *

from data_src *ds*

where journal = **'Food Chemistry'**;

-- 2. Find all the food descriptions (food_des) records for manufacturer Kellogg, Co. (must include punctuation for exact match)

select *

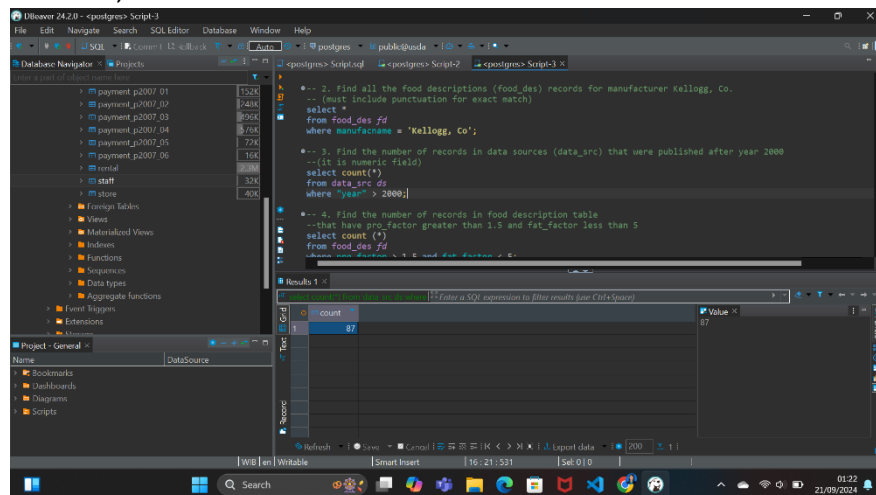**from** food_des *fd*

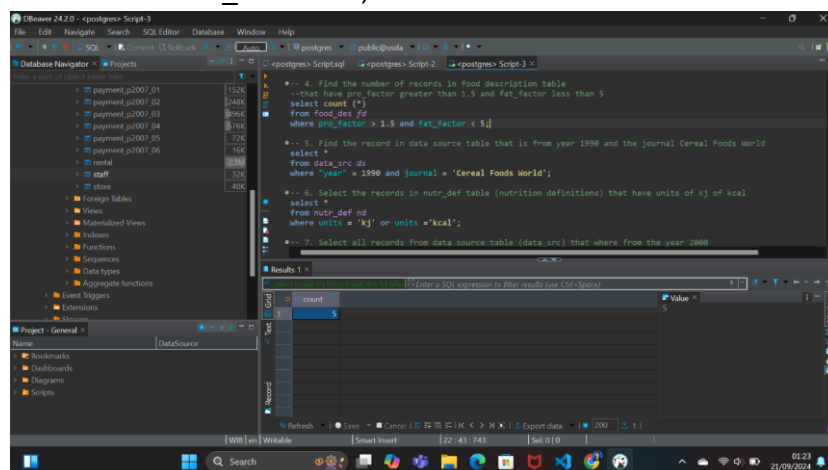**where** manufacname = **'Kellogg, Co'**;

-- 3. Find the number of records in data sources (data_src) that were published after year 2000 (it is numeric field)

select count(*)

from data_src *ds*

where "year" > 2000;

-- 4. Find the number of records in food description table that have pro_factor greater than 1.5 and fat_factor less than 5

select count (*)

from food_des *fd*

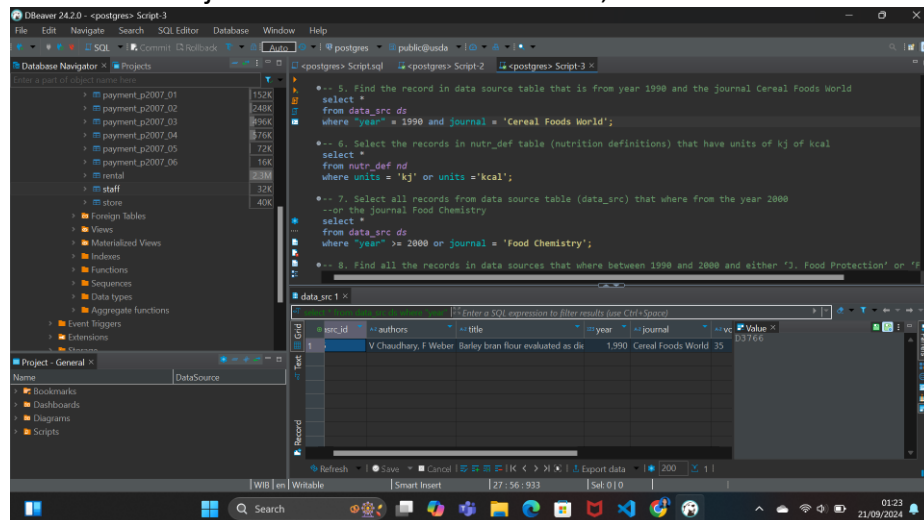**where** pro_factor > 1.5 **and** fat_factor < 5;

-- 5. Find the record in data source table that is from year 1990 and the journal Cereal Foods World

select *

from data_src *ds*

where "year" = 1990 **and** journal = **'Cereal Foods World'**;
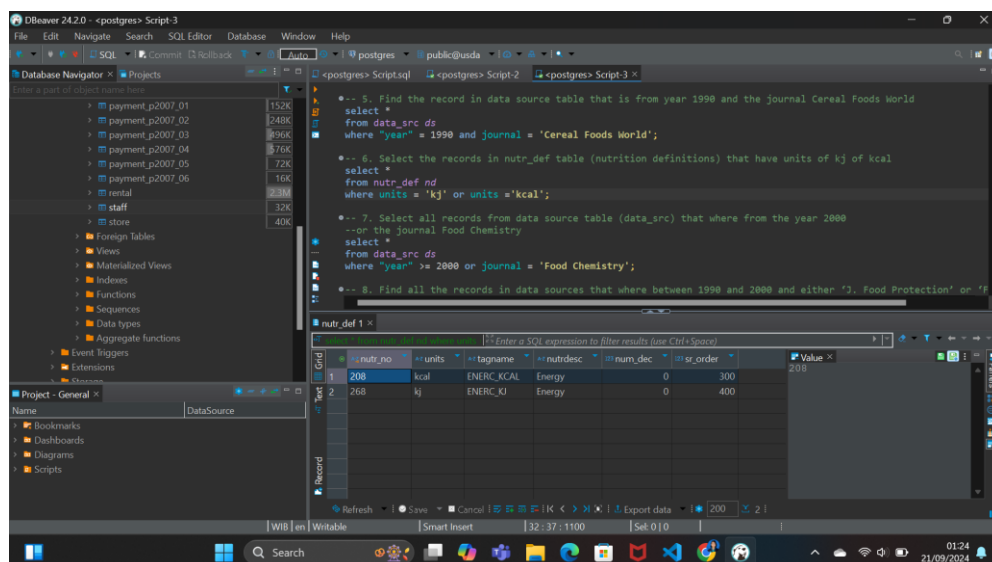

-- 6. Select the records in nutr_def table (nutrition definitions) that have units of kj or kcal

select *

from nutr_def *nd*

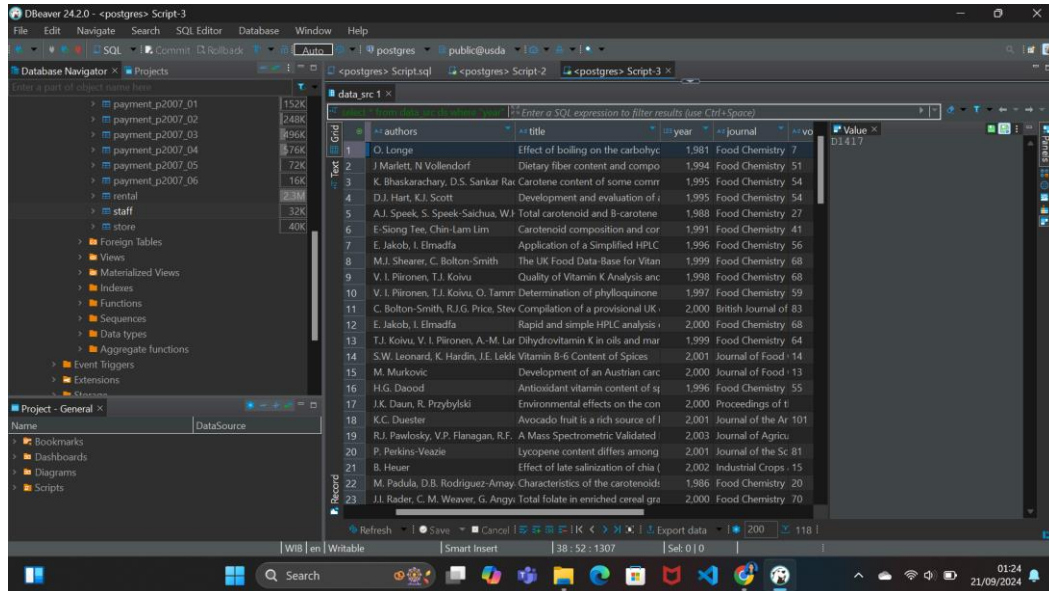**where** units = **'kj' or** units =**'kcal'**;

-- 7. Select all records from data source table (data_src) that where from the year 2000 or the journal Food Chemistry

select *

from data_src *ds*

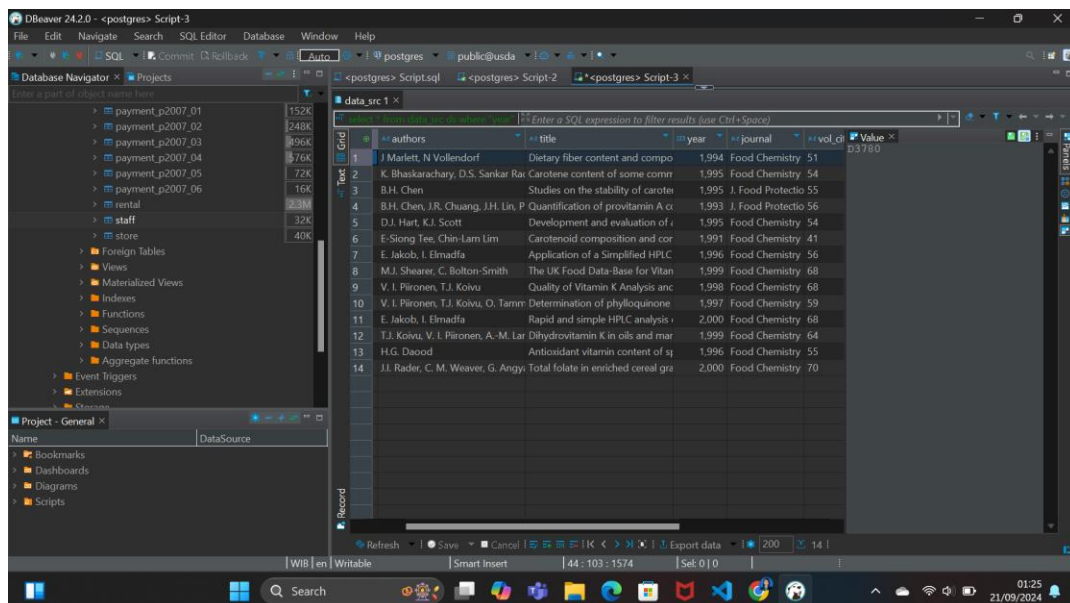**where** "year" >= 2000 **or** journal = **'Food Chemistry'**;

-- 8. Find all the records in data sources that where between 1990 and 2000 and either 'J. Food Protection' or 'Food Chemistry'

select *

from data_src *ds*

where "year" **between** 1990 **and** 2000 **and** (journal = **'J. Food Protection' or** journal = **'Food Chemistry'**);

-- 9. Use BETWEEN syntax to find number of weight records that weight between 50 and 75 grams (gm_wgt)

select count (*)

from weight *w*

where gm_wgt **between** 50 **and** 75;
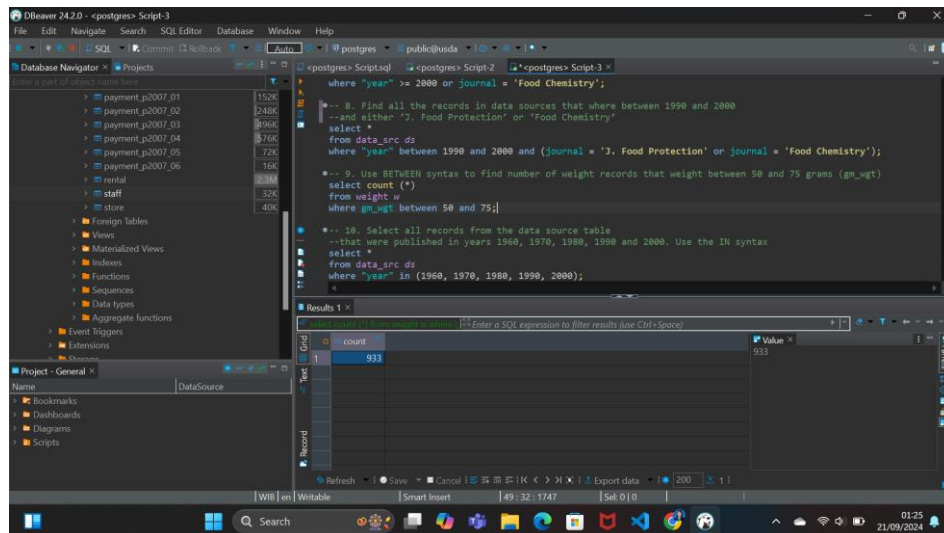
-- 10. Select all records from the data source table

--that were published in years 1960, 1970, 1980, 1990 and 2000. Use the IN syntax

select *

from data_src *ds*

where "year" **in** (1960, 1970, 1980, 1990, 2000);