Task 02 - Excercise🚨

**1.** Write a query to get data having length of Rna structures more than 12 with them being added after 2008

Query:

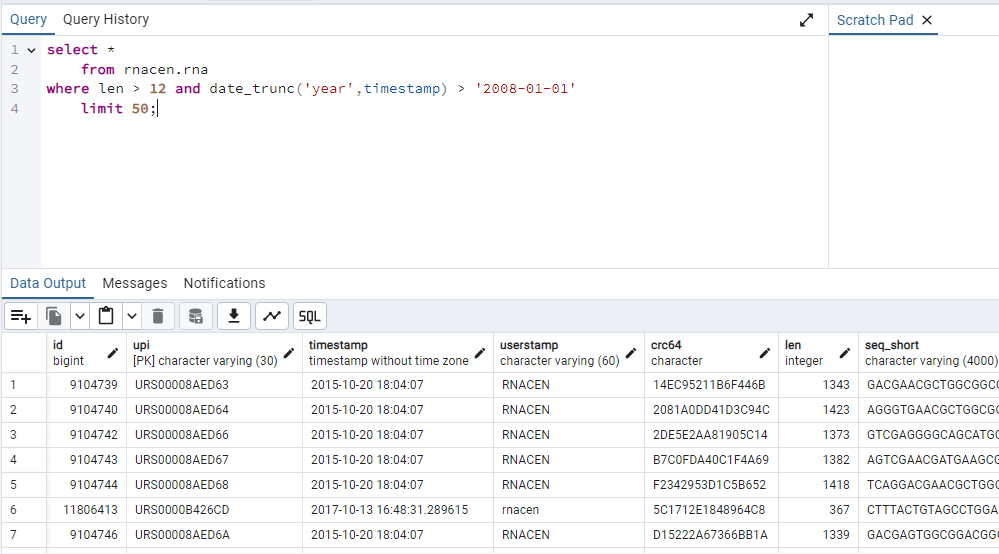
select \*

from rnacen.rna

where len > 12 and date\_trunc('year',timestamp) > '2008-01-01'

limit 50;

**S.S:**



**2.** How many pre computed RNA are present that are still active and got their last release update before 2022

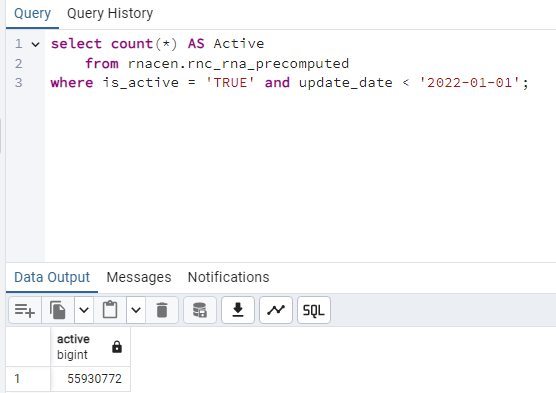
**Query:**

select count(\*) AS Active

from rnacen.rnc\_rna\_precomputed

where is\_active = 'TRUE' and update\_date < '2022-01-01';

**S.S**



**3.** How many total pre computed RNA records for snoRNA and tRNA were recorded in 2011, 2016, 2014, and 2020

**Query:**

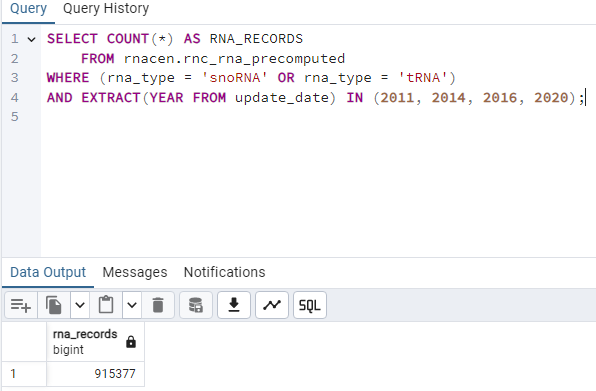
SELECT COUNT(\*) AS RNA\_RECORDS

FROM rnacen.rnc\_rna\_precomputed

WHERE (rna\_type = 'snoRNA' OR rna\_type = 'tRNA')

AND EXTRACT(YEAR FROM UPDATE\_DATE) IN (2011, 2014, 2016, 2020);

**S.S:**



**4.** Can you give me the names of all databases built for RNA with minimum length other than 100, 200, 300, 400, and 15

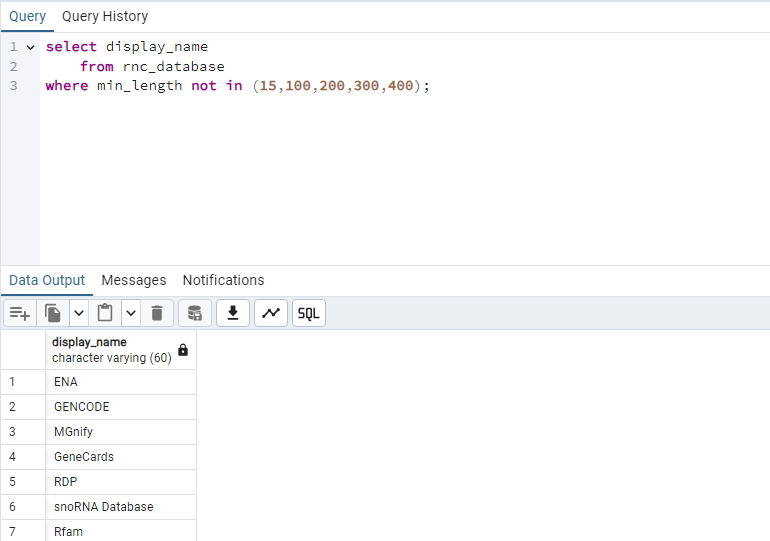
**Query:**

select display\_name

from rnc\_database

where min\_length not in (15,100,200,300,400);

**S.S:**



**5.** Can you get complete 500 records of sequences for active regions and name your column as myregions in which you are getting the region name column vakue. Then tell me what different chromosomes with exon\_count we have for regions including center, east and north using the name you set for your column

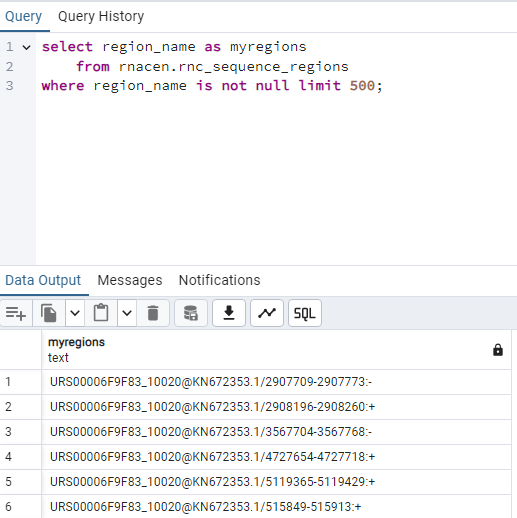
**QUERY:**

select region\_name as myregions

from rnacen.rnc\_sequence\_regions

where region\_name is not null limit 500;

**S.S**

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