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

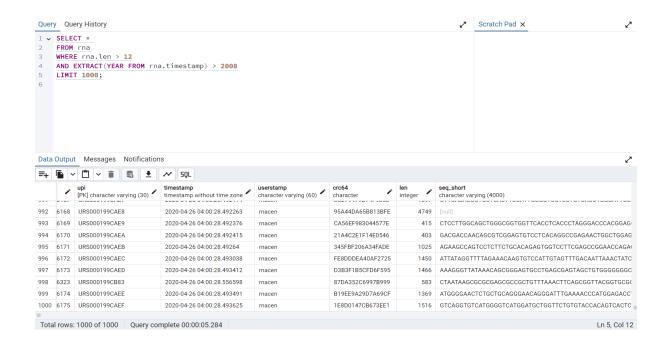
SELECT*

FROM rna

WHERE rna.len >12

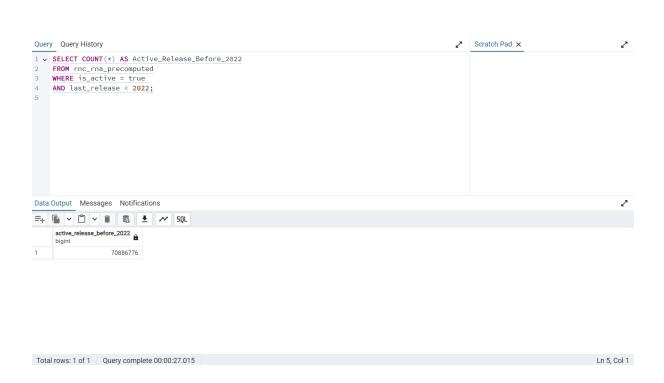
AND EXTRACT (YEAR FROM rna. timestamp) > 2008

LIMIT 1000;



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

SELECT COUNT (*) AS Active_Release_Before_2022
FROM rnc_rna_precomputed
WHERE is_active = true
AND last_release <2022;



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

```
SELECT EXTRACT (YEAR FROM update_date) AS year, rna_type, COUNT (*)
FROM rnc_rna_precomputed
WHERE rna_type IN('snoRNA','tRNA')
AND EXTRACT (YEAR FROM update_date) IN (2011, 2014, 2016, 2020)
GROUP BY year, rna_type
ORDER BY year, rna_type
LIMIT 1000;
```



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

SELECT display_name

FROM rnc_database

WHERE min_length NOT IN (100,200,300,400,15)

LIMIT 1000;



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 value. Then tell me what different chromosomes with exon_count we have for regions including centre, east and north using the name you set for your column.

```
SELECT region_name AS myregions

FROM rnc_sequence_regions

WHERE region_name IS NOT NULL

LIMIT 500;

SELECT DISTINCT chromosome, exon_count

FROM rnc_sequence_regions

WHERE region_name IN ('center', 'east', 'north')

LIMIT 1000;
```

```
Query Query History

1  SELECT region_name AS myregions
FROM rnc_sequence_regions
WHERE region_name IS NOT NULL
LIMIT 500;

SELECT DISTINCT chromosome, exon_count
FROM rnc_sequence_regions
WHERE region_name IN ('center', 'east', 'north')
LIMIT 1000;
```