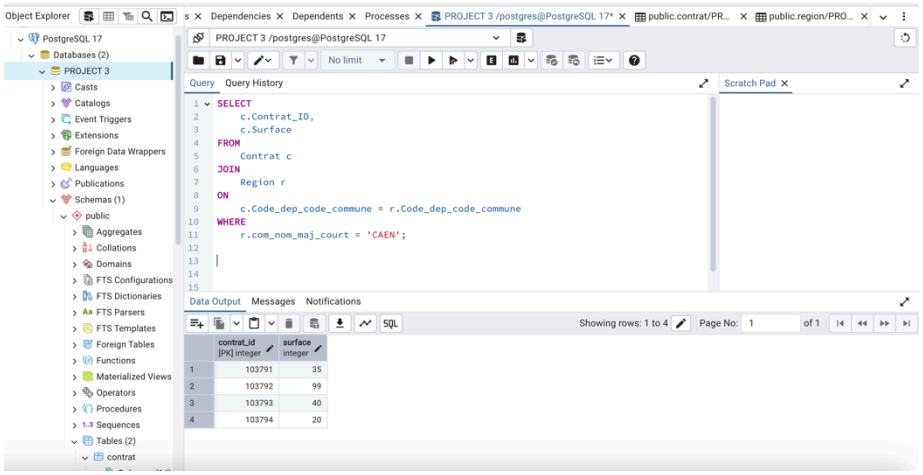
Présentation des requêtes SQL

Requête 1 : Lister les numéros de contrats (contrat_ID) avec leur surface pour la commune de Caen.

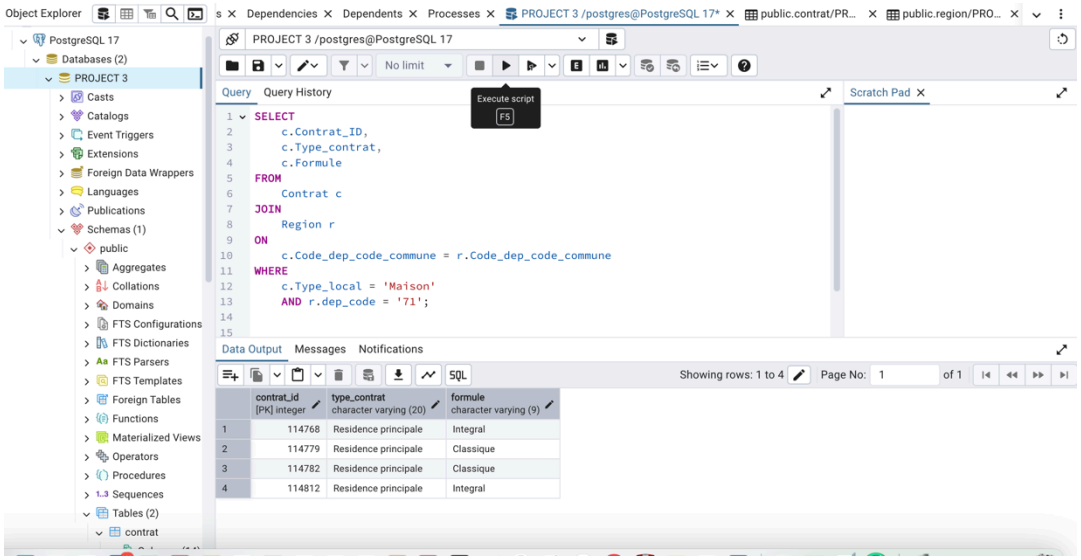
```
SELECT
        c.contrat_id,
        c.surface
FROM
        contrat c
JOIN
        region r
ON
        c.code_dep_code_commune =  r.code_dep_code_commune
WHERE
        r.com_nom_maj_court = 'CAEN';
```



Requête 2 : Lister les numéros de contrats avec le type de contrat et leur formule pour les maisons du département 71.

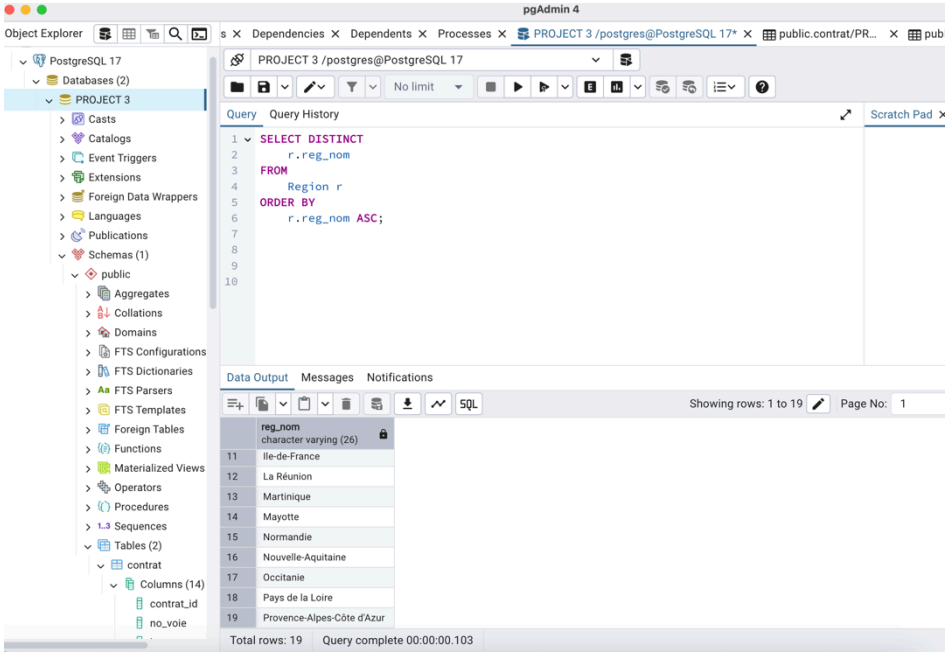
```
SELECT
        c.contrat_id,
        c.type_contrat,
        c.formule

FROM
        contrat c

JOIN
        region r
```

```
ON
        c.code_dep_code_commune =  r.code_dep_code_commune

WHERE
        c.type_local = 'Maison'

AND
        r.dep_code = '71'
```



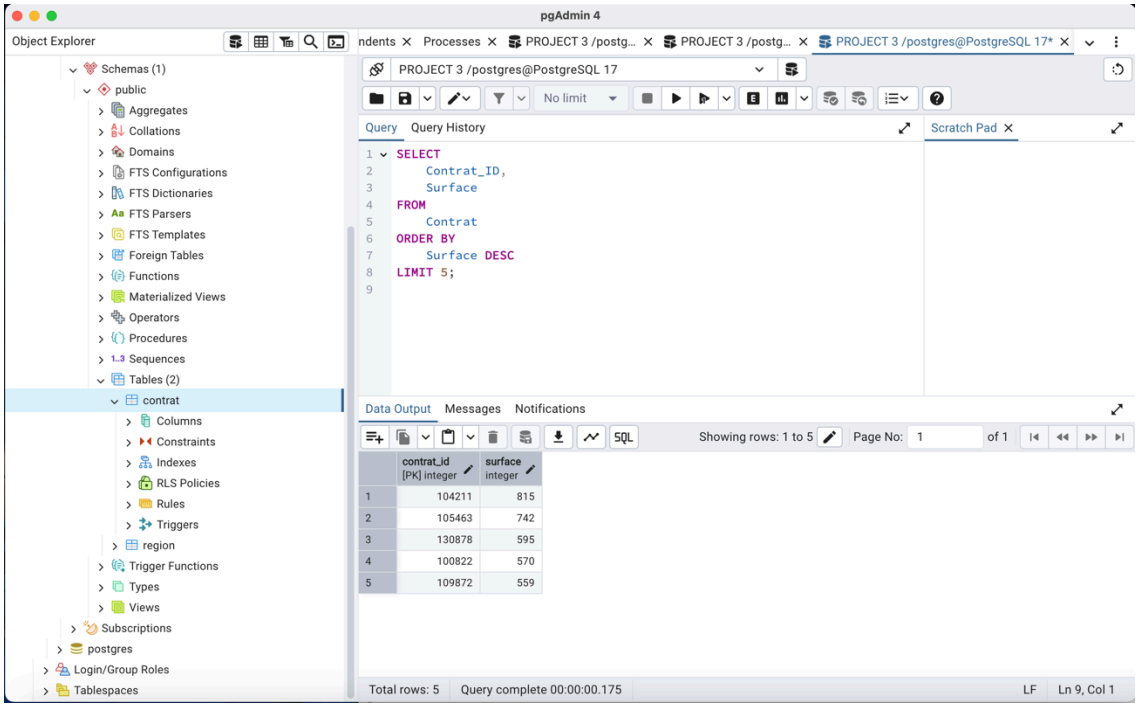
<u>Requête 3 :</u> Lister le nom des régions de France.

```
SELECT DISTINCT
        r.reg_nom
FROM
        region r
ORDER BY
r.reg_nom ASC;
```



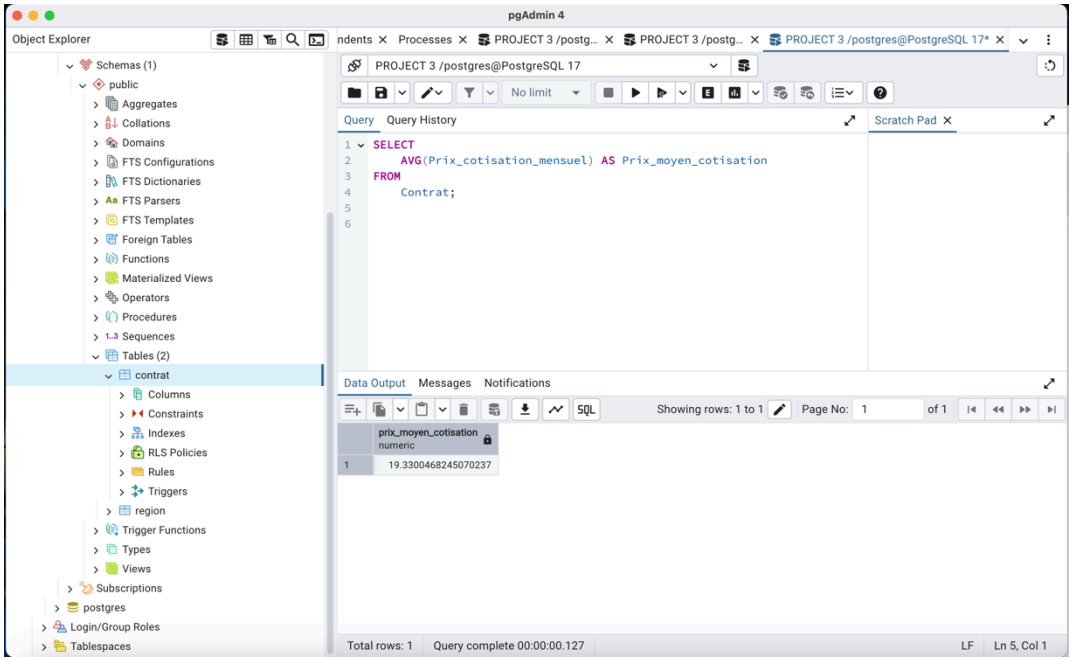
Requête 4 : Quels sont les 5 contrats qui ont les surfaces les plus élevées ?

```
SELECT
    Contrat_ID,
    Surface
FROM
    Contrat
ORDER BY
    Surface DESC
LIMIT 5;
```



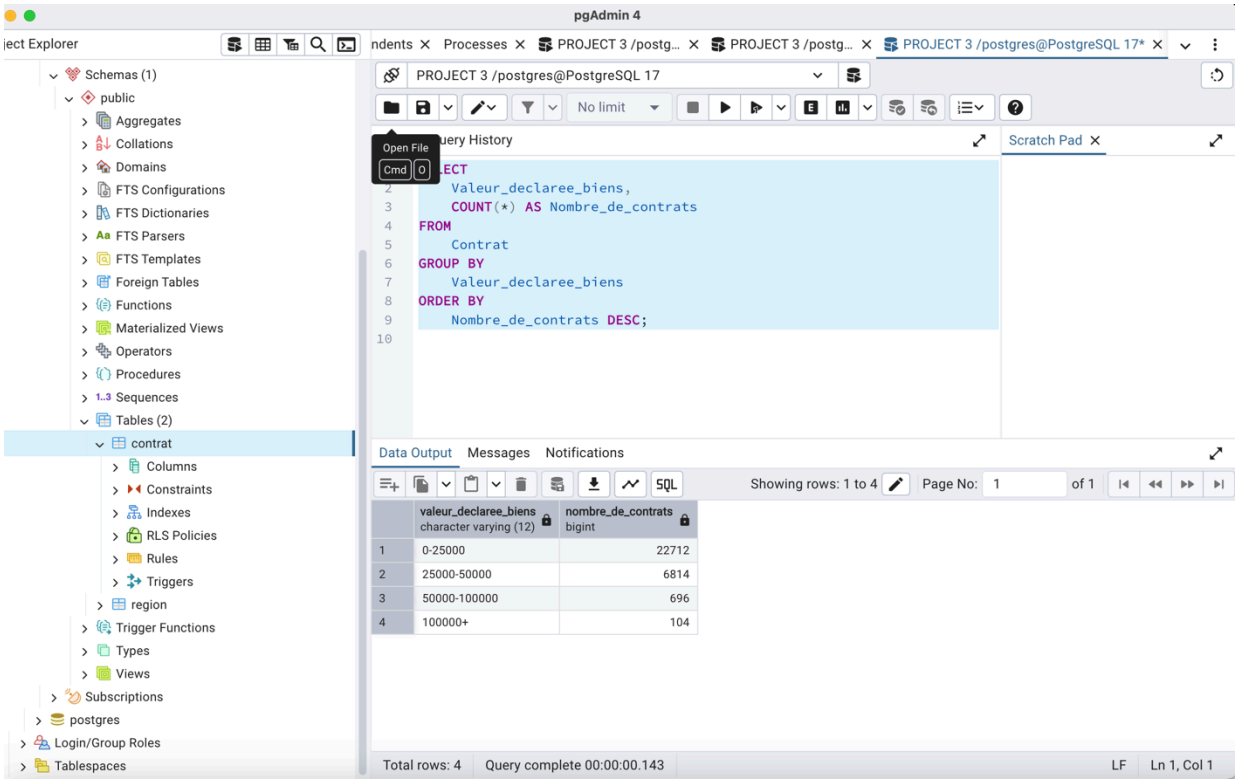
Requête 5 : Quel est le prix moyen de la cotisation mensuelle ?

```
SELECT
    AVG(Prix_cotisation_mensuel) AS Prix_moyen_cotisation
FROM
    Contrat;
```


pgAdmin 4
Object Explorer
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (2)
contrat
Columns
Constraints
Indexes
RLS Policies
Rules
Triggers
region
Trigger Functions
Types
Views
Subscriptions
postgres
Login/Group Roles
Tablespaces
ndents
Processes
PROJECT 3 /postg...
PROJECT 3 /postg...
PROJECT 3 /postgres@PostgreSQL 17*
PROJECT 3 /postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
SELECT
AVG(Prix_cotisation_mensuel) AS Prix_moyen_cotisation
FROM
Contrat;
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 1
Page No:
1
of 1
prix_moyen_cotisation
numeric
19.3300468245070237
Total rows: 1
Query complete 00:00:00.127
LF
Ln 5, Col 1

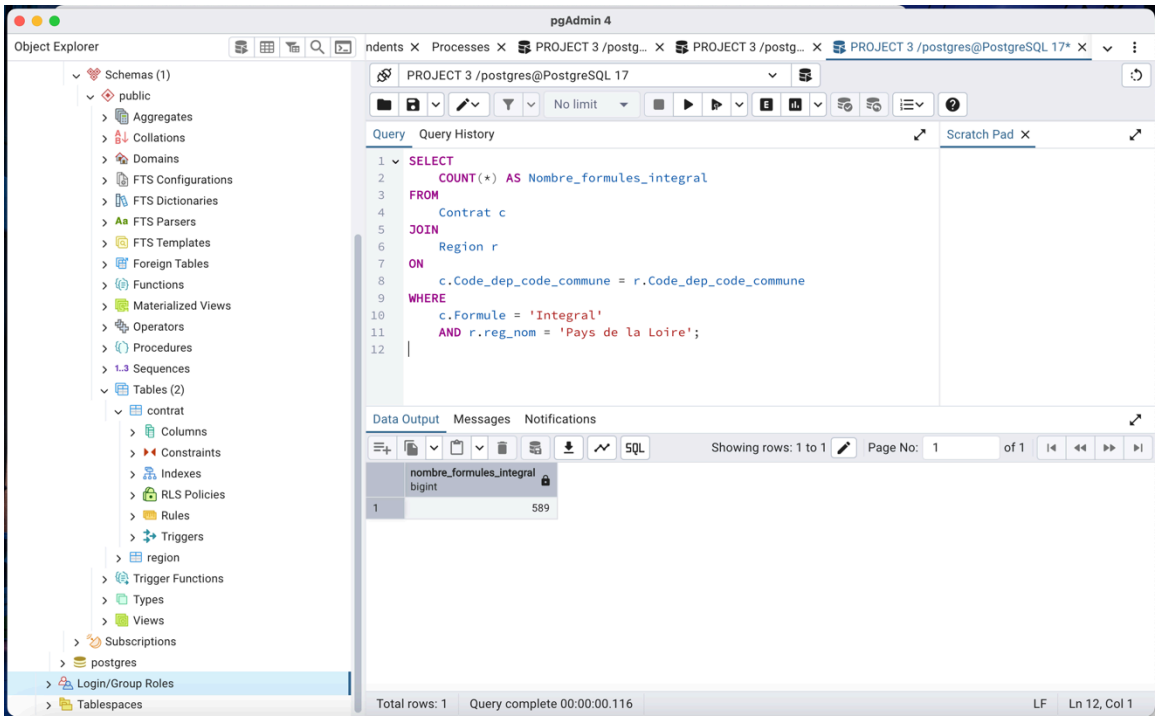
Requête 6 : Quel est le nombre de contrats pour chaque catégorie de prix de la valeur déclarée des biens ?

```
SELECT
    Valeur_declaree_biens,
    COUNT(*) AS Nombre_de_contrats
FROM
    Contrat
GROUP BY
    Valeur_declaree_biens
ORDER BY
    Nombre_de_contrats DESC;
```



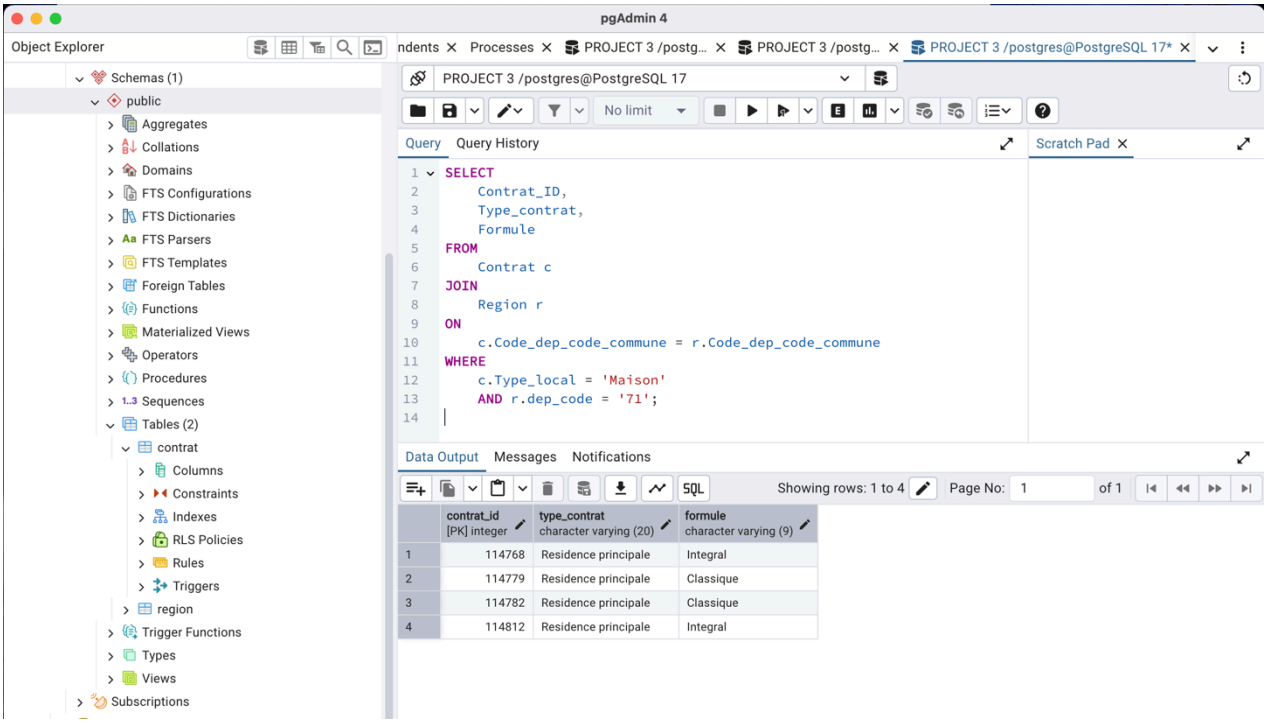
<u>Requête 7</u> : Quel est le nombre de formules “integral” sur la région Pays de la Loire ?

```
SELECT
   COUNT(*) AS Nombre_formules_integral
FROM
   Contrat c
JOIN
   Region r
ON
   c.Code_dep_code_commune = r.Code_dep_code_commune
WHERE
   c.Formule = 'Integral'
   AND r.reg_nom = 'Pays de la Loire';
```



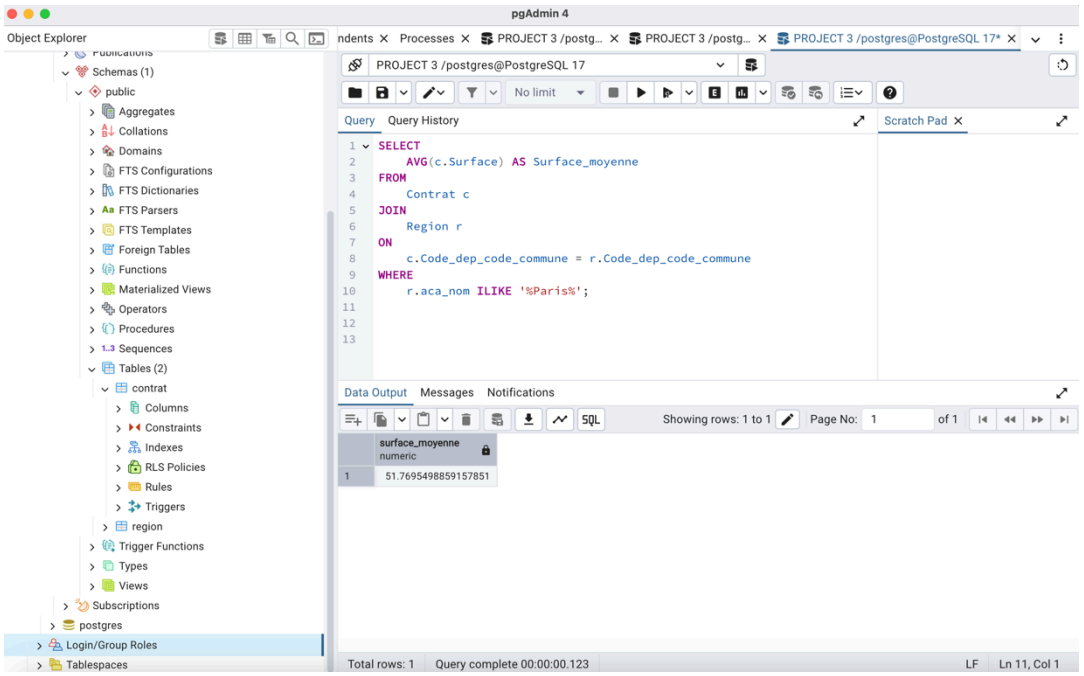
Requête 8 : Lister les numéros de contrats avec le type de contrat et leur formule pour les maisons du département 71.

```
SELECT
   Contrat_ID,
   Type_contrat,
   Formule
FROM
   Contrat c
JOIN
   Region r
ON
   c.Code_dep_code_commune = r.Code_dep_code_commune
WHERE
   c.Type_local = 'Maison'
   AND r.dep_code = '71';
```



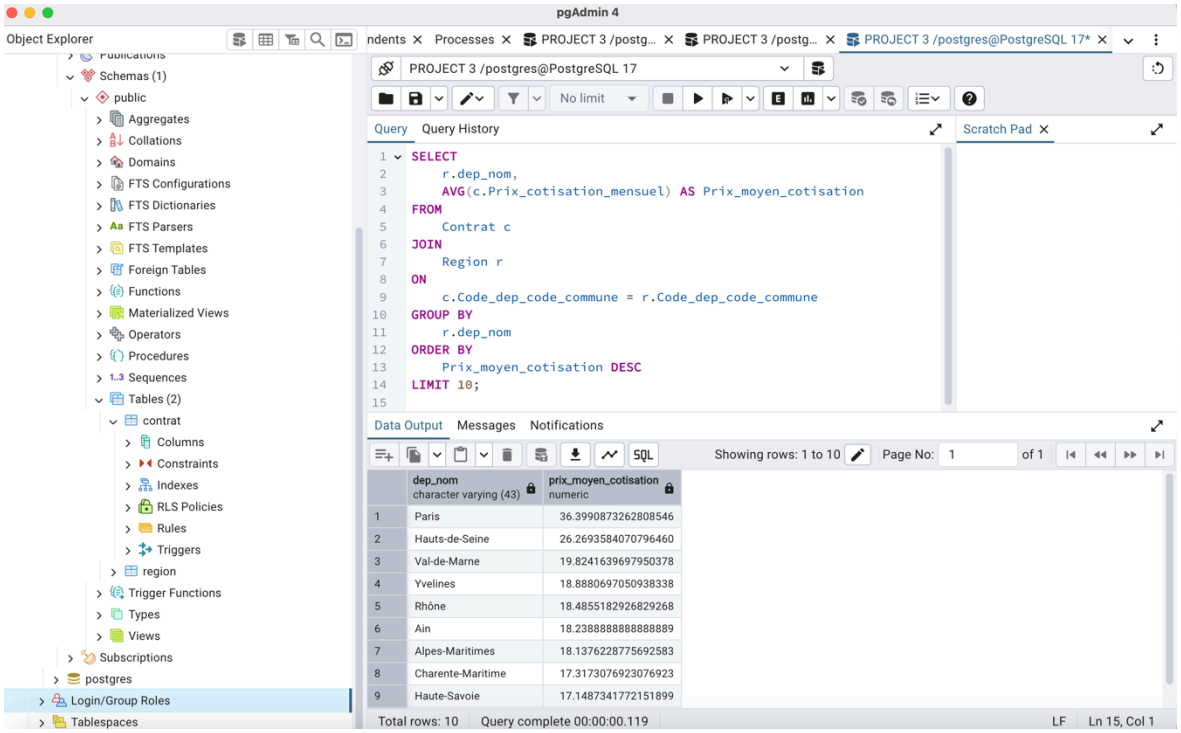
Requête 9 : Quelle est la surface moyenne des contrats à Paris ?

```
SELECT
   AVG(c.Surface) AS Surface_moyenne
FROM
   Contrat c
JOIN
   Region r
ON
   c.Code_dep_code_commune = r.Code_dep_code_commune
WHERE
   r.aca_nom ILIKE '%Paris%';
```



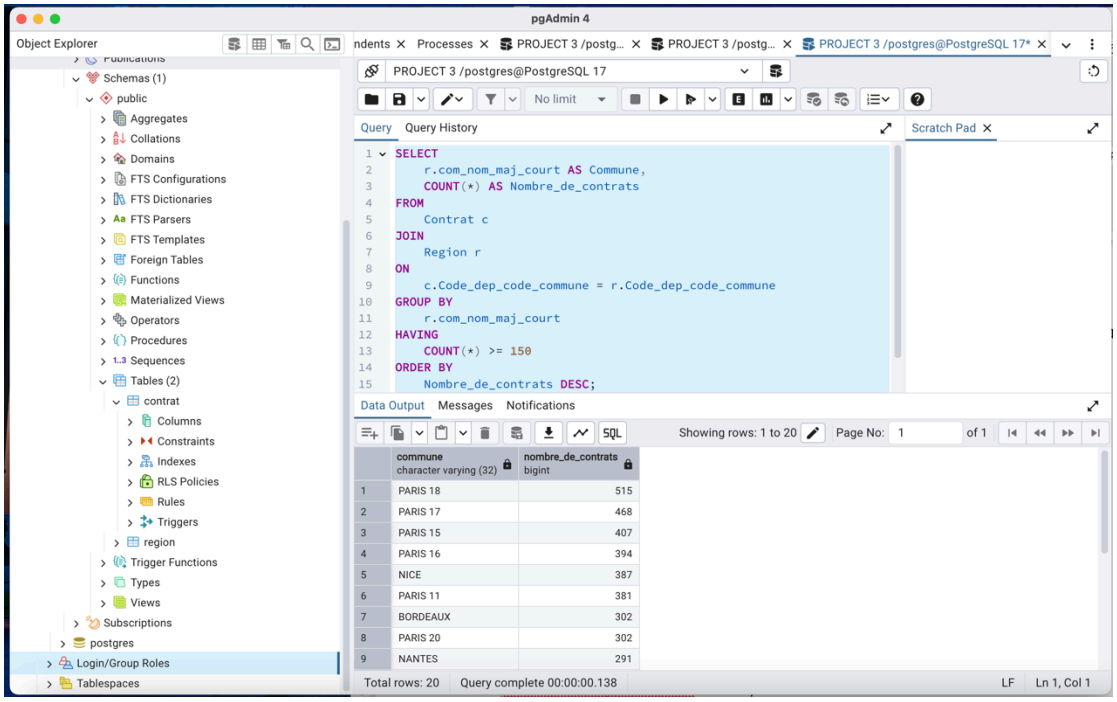
<u>Requête 10</u> : Classement des 10 départements où le prix moyen de la cotisation est le plus élevé.

```
SELECT
   r.dep_nom,
   AVG(c.Prix_cotisation_mensuel) AS Prix_moyen_cotisation
FROM
   Contrat c
JOIN
   Region r
ON
   c.Code_dep_code_commune = r.Code_dep_code_commune
GROUP BY
   r.dep_nom
ORDER BY
   Prix_moyen_cotisation DESC
LIMIT 10;
```



Requête 11 : Liste des communes ayant eu au moins 150 contrats.

```
SELECT
   r.com_nom_maj_court AS Commune,
   COUNT(*) AS Nombre_de_contrats
FROM
   Contrat c
JOIN
   Region r
ON
   c.Code_dep_code_commune = r.Code_dep_code_commune
GROUP BY
   r.com_nom_maj_court
HAVING
   COUNT(*) >= 150
ORDER BY
   Nombre_de_contrats DESC;
```



Requête 12 : Quel est le nombre de contrats pour chaque région ?

```
SELECT
   r.reg_nom AS Region,
   COUNT(*) AS Nombre_de_contrats
FROM
   Contrat c
JOIN
   Region r
ON
   c.Code_dep_code_commune = r.Code_dep_code_commune
GROUP BY
   r.reg_nom
ORDER BY
   Nombre_de_contrats DESC;
```