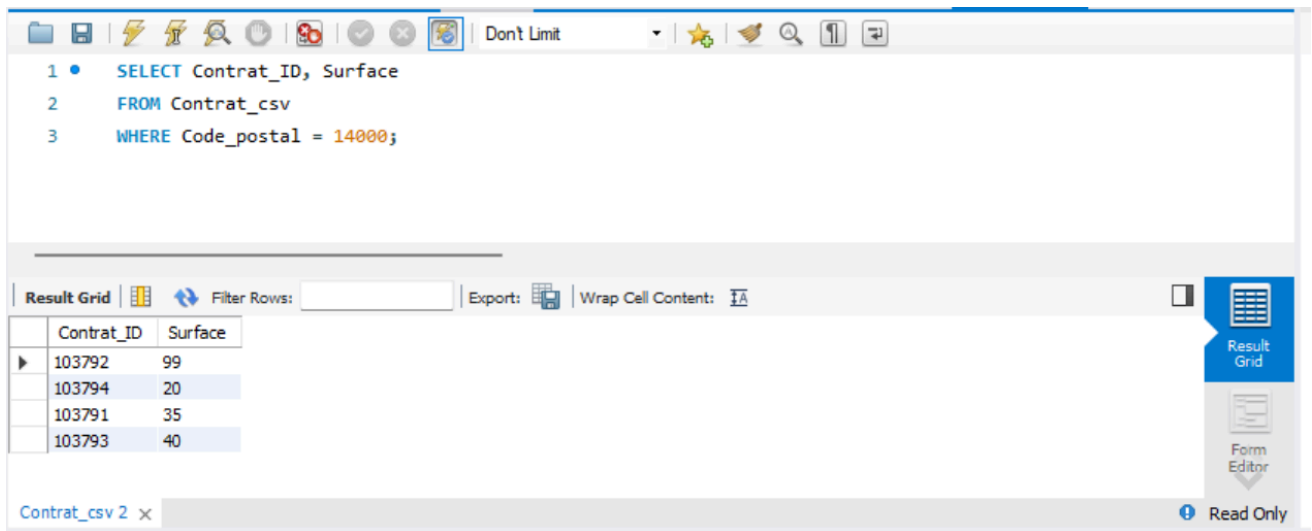


# Requêtes SQL

**Requête 1:** Lister les numéros de contrats (Contrat\_ID) avec leur surface pour la commune de Caen.



The screenshot shows a SQL query editor with the following query:

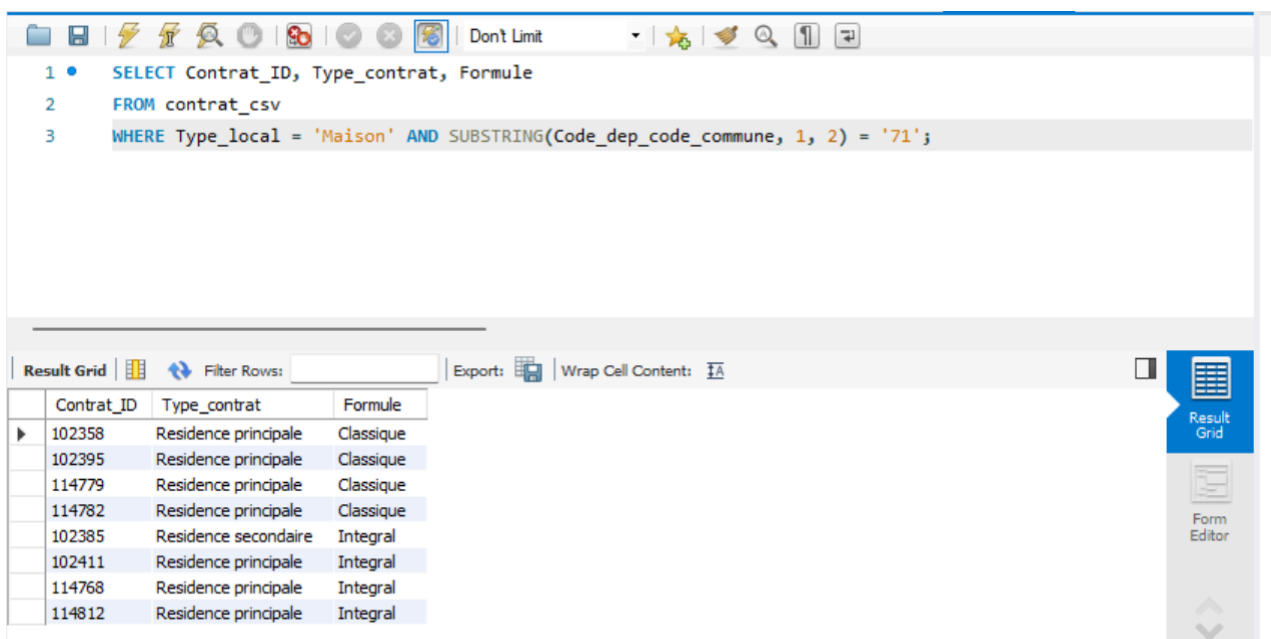
```
1 • SELECT Contrat_ID, Surface
2 FROM Contrat_csv
3 WHERE Code_postal = 14000;
```

Below the query editor, the 'Result Grid' is displayed with the following data:

Contrat_ID	Surface
103792	99
103794	20
103791	35
103793	40

The interface includes a toolbar with various icons, a 'Filter Rows' field, and an 'Export' button. The status bar at the bottom indicates 'Contrat\_csv 2' and 'Read Only'.

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



The screenshot shows a SQL query editor with the following query:

```
1 • SELECT Contrat_ID, Type_contrat, Formule
2 FROM contrat_csv
3 WHERE Type_local = 'Maison' AND SUBSTRING(Code_dep_code_commune, 1, 2) = '71';
```

Below the query editor, the 'Result Grid' is displayed with the following data:

Contrat_ID	Type_contrat	Formule
102358	Residence principale	Classique
102395	Residence principale	Classique
114779	Residence principale	Classique
114782	Residence principale	Classique
102385	Residence secondaire	Integral
102411	Residence principale	Integral
114768	Residence principale	Integral
114812	Residence principale	Integral

The interface includes a toolbar with various icons, a 'Filter Rows' field, and an 'Export' button. The status bar at the bottom indicates 'contrat\_csv' and 'Read Only'.

### Requête 3: Lister le nom des régions de France

The screenshot shows a database query editor with a SQL query in the top pane and a result grid in the bottom pane. The query is as follows:

```
1 SELECT DISTINCT r.reg_nom
2 FROM contrat_csv c
3 JOIN region_csv r ON SUBSTRING(c.Code_dep_code_commune, 1, 2) = r.dep_code;
```

The result grid displays the following data:

reg_nom
Grand Est
Occitanie
Provence-Alpes-Côte d'Azur
Normandie
Nouvelle-Aquitaine
Centre-Val de Loire
Bourgogne-Franche-Comté
Bretagne

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

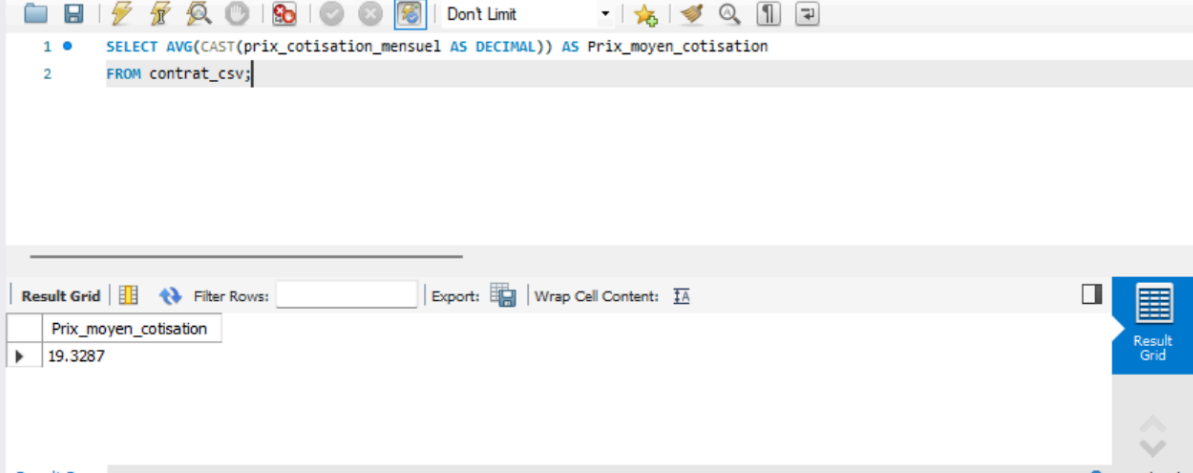
The screenshot shows a database query editor with a SQL query in the top pane and a result grid in the bottom pane. The query is as follows:

```
1 SELECT Contrat_ID, Surface
2 FROM contrat_csv
3 ORDER BY CAST(Surface AS DECIMAL) DESC
4 LIMIT 5;
```

The result grid displays the following data:

Contrat_ID	Surface
104211	815
105463	742
130878	595
100822	570
109872	559

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



The screenshot shows a SQL query editor with a toolbar at the top. The query is as follows:

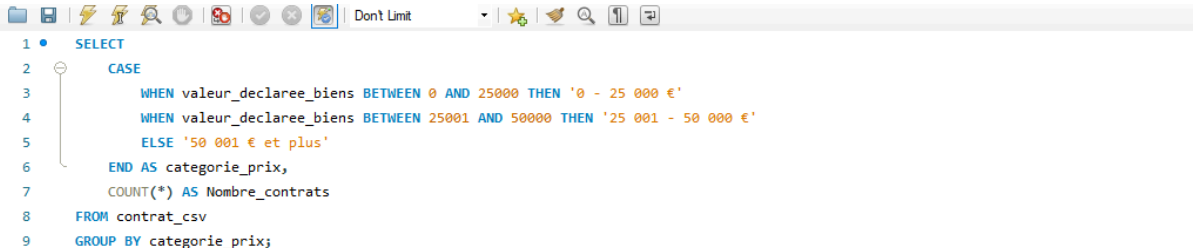
```
1 • SELECT AVG(CAST(prix_cotisation_mensuel AS DECIMAL)) AS Prix_moyen_cotisation
2 FROM contrat_csv;
```

Below the query editor, there is a 'Result Grid' section. It includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The result grid displays the following data:

Prix_moyen_cotisation
19.3287

At the bottom right, there is a 'Read Only' indicator.

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



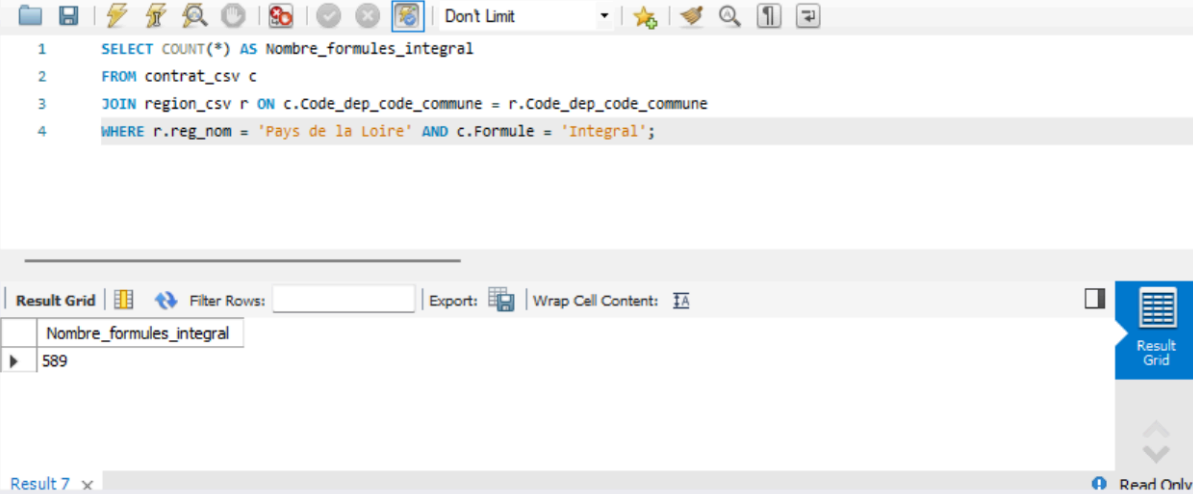
The screenshot shows a SQL query editor with a toolbar at the top. The query is as follows:

```
1 • SELECT
2 CASE
3 WHEN valeur_declaree_biens BETWEEN 0 AND 25000 THEN '0 - 25 000 €'
4 WHEN valeur_declaree_biens BETWEEN 25001 AND 50000 THEN '25 001 - 50 000 €'
5 ELSE '50 001 € et plus'
6 END AS categorie_prix,
7 COUNT(*) AS Nombre_contrats
8 FROM contrat_csv
9 GROUP BY categorie_prix;
```

Below the query editor, there is a 'Result Grid' section. It includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The result grid displays the following data:

categorie_prix	Nombre_contrats
0 - 25 000 €	29535
25 001 - 50 000 €	696
50 001 € et plus	104

**Requête 7 :** Quel est le nombre de formules “integral” sur la région Pays de la Loire ?



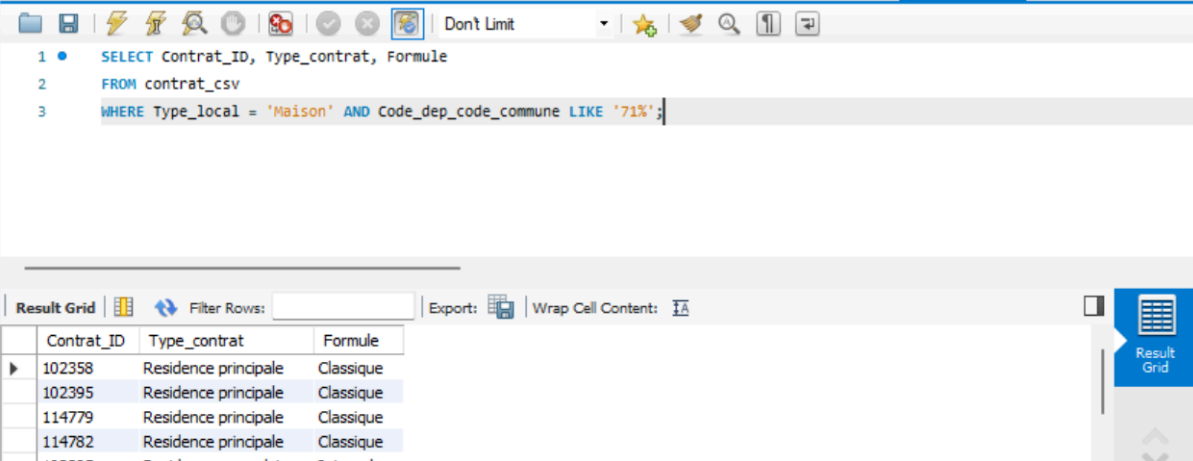
```
1 SELECT COUNT(*) AS Nombre_formules_integral
2 FROM contrat_csv c
3 JOIN region_csv r ON c.Code_dep_code_commune = r.Code_dep_code_commune
4 WHERE r.reg_nom = 'Pays de la Loire' AND c.Formule = 'Integral';
```

Result Grid

Nombre_formules_integral
589

Result 7 x Read Only

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

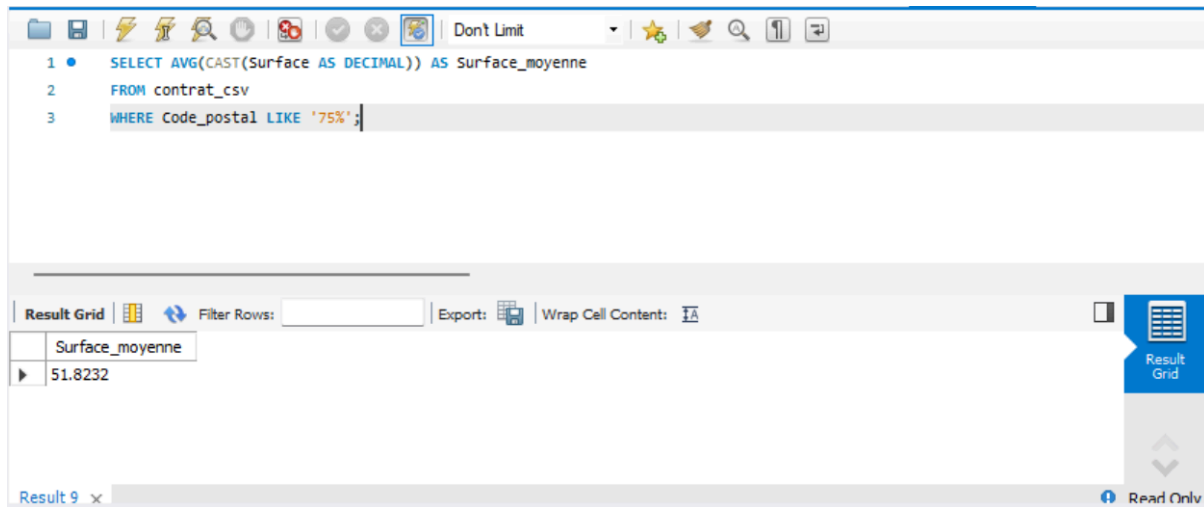


```
1 SELECT Contrat_ID, Type_contrat, Formule
2 FROM contrat_csv
3 WHERE Type_local = 'Maison' AND Code_dep_code_commune LIKE '71%';
```

Result Grid

Contrat_ID	Type_contrat	Formule
102358	Residence principale	Classique
102395	Residence principale	Classique
114779	Residence principale	Classique
114782	Residence principale	Classique
102385	Residence secondaire	Integral

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



The screenshot shows a SQL query editor with the following query:

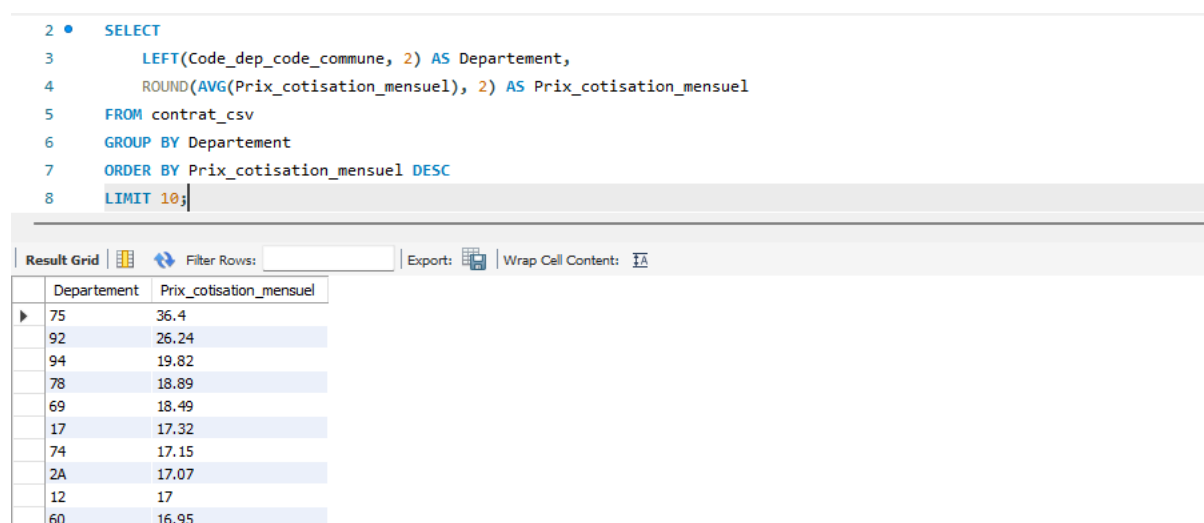
```
1 SELECT AVG(CAST(Surface AS DECIMAL)) AS Surface_moyenne
2 FROM contrat_csv
3 WHERE Code_postal LIKE '75%';
```

The query is executed, and the result is displayed in a table with the following data:

Surface_moyenne
51.8232

The interface includes a toolbar with various icons, a "Filter Rows" input field, and an "Export" button. The result is shown in a "Result Grid" view.

## Requête 10 : Classement des 10 départements où le prix moyen de la cotisation est le plus élevé.



The screenshot shows a SQL query editor with the following query:

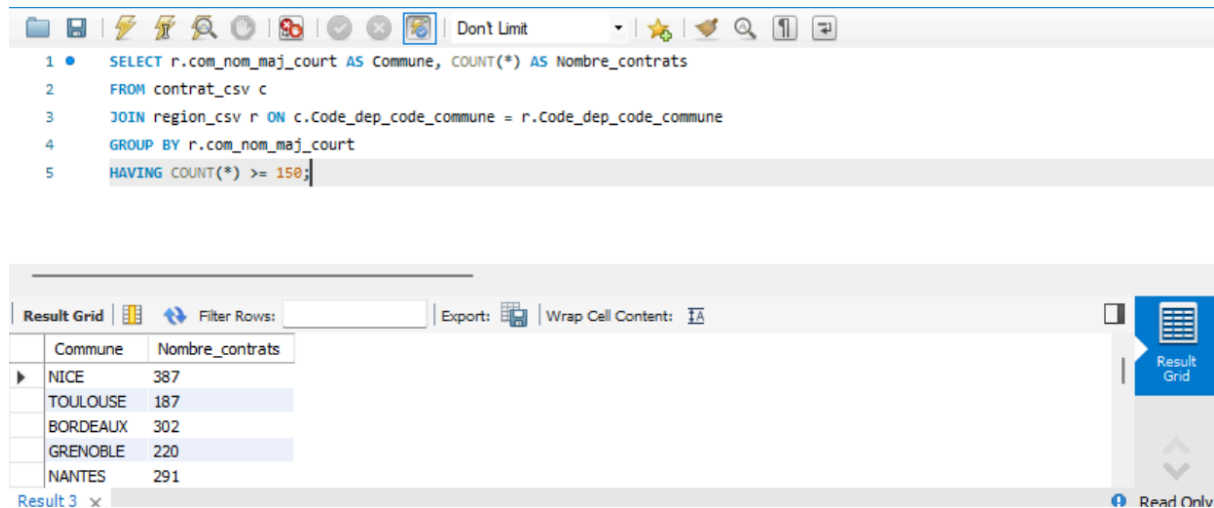
```
2 SELECT
3     LEFT(Code_dep_code_commune, 2) AS Departement,
4     ROUND(AVG(Prix_cotisation_mensuel), 2) AS Prix_cotisation_mensuel
5 FROM contrat_csv
6 GROUP BY Departement
7 ORDER BY Prix_cotisation_mensuel DESC
8 LIMIT 10;
```

The query is executed, and the result is displayed in a table with the following data:

Departement	Prix_cotisation_mensuel
75	36.4
92	26.24
94	19.82
78	18.89
69	18.49
17	17.32
74	17.15
2A	17.07
12	17
60	16.95

The interface includes a toolbar with various icons, a "Filter Rows" input field, and an "Export" button. The result is shown in a "Result Grid" view.

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



The screenshot shows a SQL query editor with the following query:

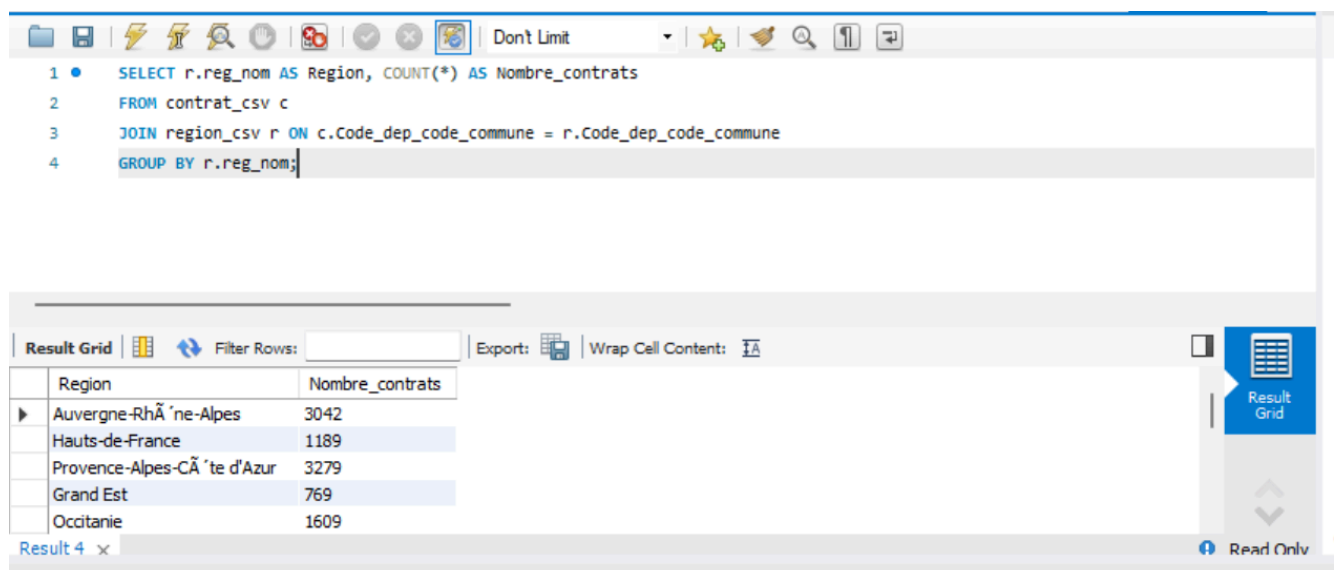
```
1 • SELECT r.com_nom_maj_court AS Commune, COUNT(*) AS Nombre_contrats
2 FROM contrat_csv c
3 JOIN region_csv r ON c.Code_dep_code_commune = r.Code_dep_code_commune
4 GROUP BY r.com_nom_maj_court
5 HAVING COUNT(*) >= 150;
```

Below the query editor is the 'Result Grid' showing the results of the query. The grid has two columns: 'Commune' and 'Nombre\_contrats'. The results are as follows:

Commune	Nombre_contrats
NICE	387
TOULOUSE	187
BORDEAUX	302
GRENOBLE	220
NANTES	291

The interface includes a toolbar with various icons, a 'Filter Rows' input field, and an 'Export' button. The status bar at the bottom indicates 'Result 3' and 'Read Only'.

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



The screenshot shows a SQL query editor with the following query:

```
1 • SELECT r.reg_nom AS Region, COUNT(*) AS Nombre_contrats
2 FROM contrat_csv c
3 JOIN region_csv r ON c.Code_dep_code_commune = r.Code_dep_code_commune
4 GROUP BY r.reg_nom;
```

Below the query editor is the 'Result Grid' showing the results of the query. The grid has two columns: 'Region' and 'Nombre\_contrats'. The results are as follows:

Region	Nombre_contrats
Auvergne-Rhône-Alpes	3042
Hauts-de-France	1189
Provence-Alpes-Côte d'Azur	3279
Grand Est	769
Occitanie	1609

The interface includes a toolbar with various icons, a 'Filter Rows' input field, and an 'Export' button. The status bar at the bottom indicates 'Result 4' and 'Read Only'.