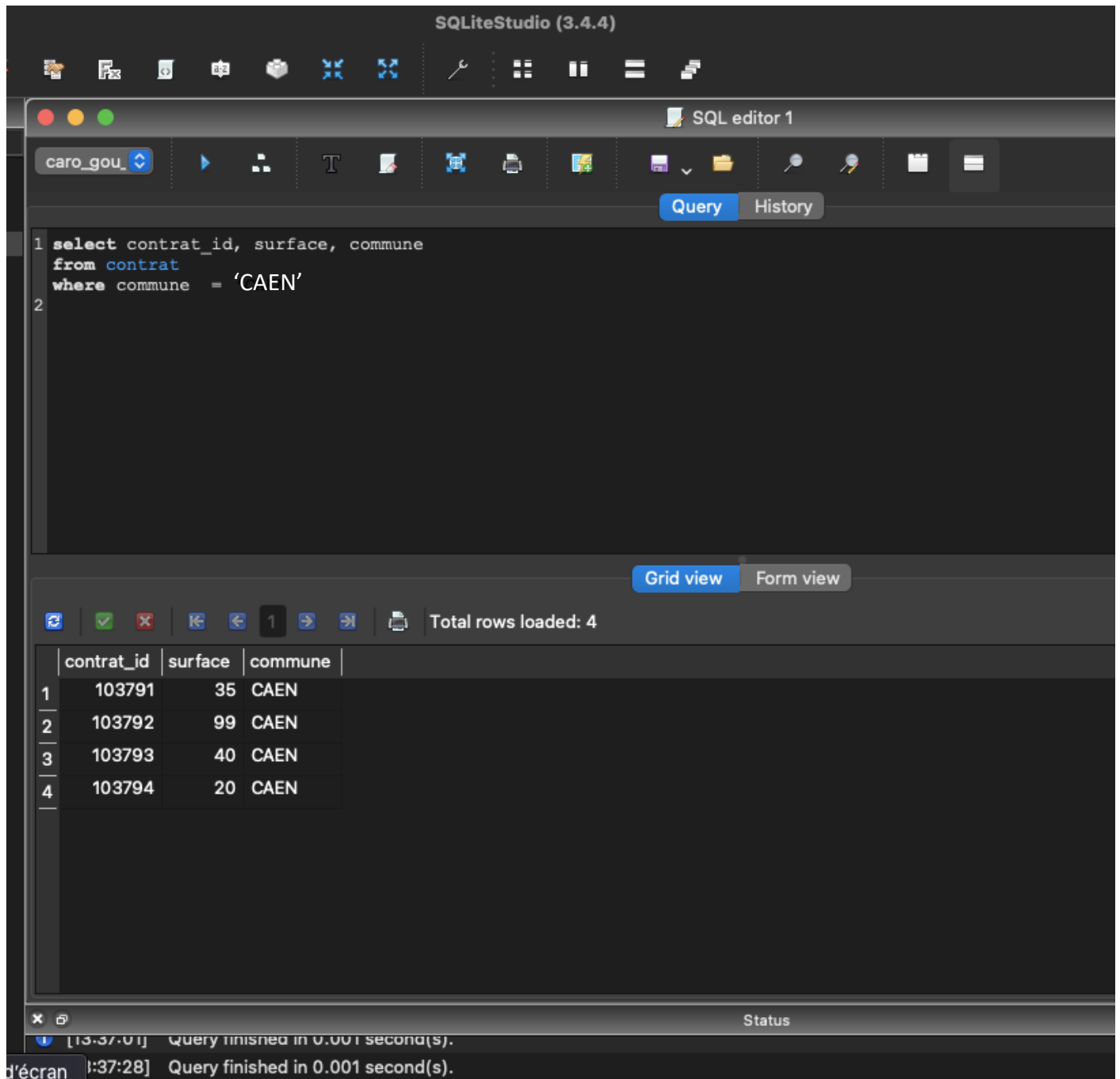


Requêter une base de données avec SQL

ANALYSES ET RESULTATS

1. LISTER LES NUMEROS DE CONTRATS (CONTRAT_ID) AVEC LEUR SURFACE POUR LA COMMUNE DE CAEN :



The screenshot shows the SQLiteStudio (3.4.4) interface. The SQL editor at the top contains the following query:

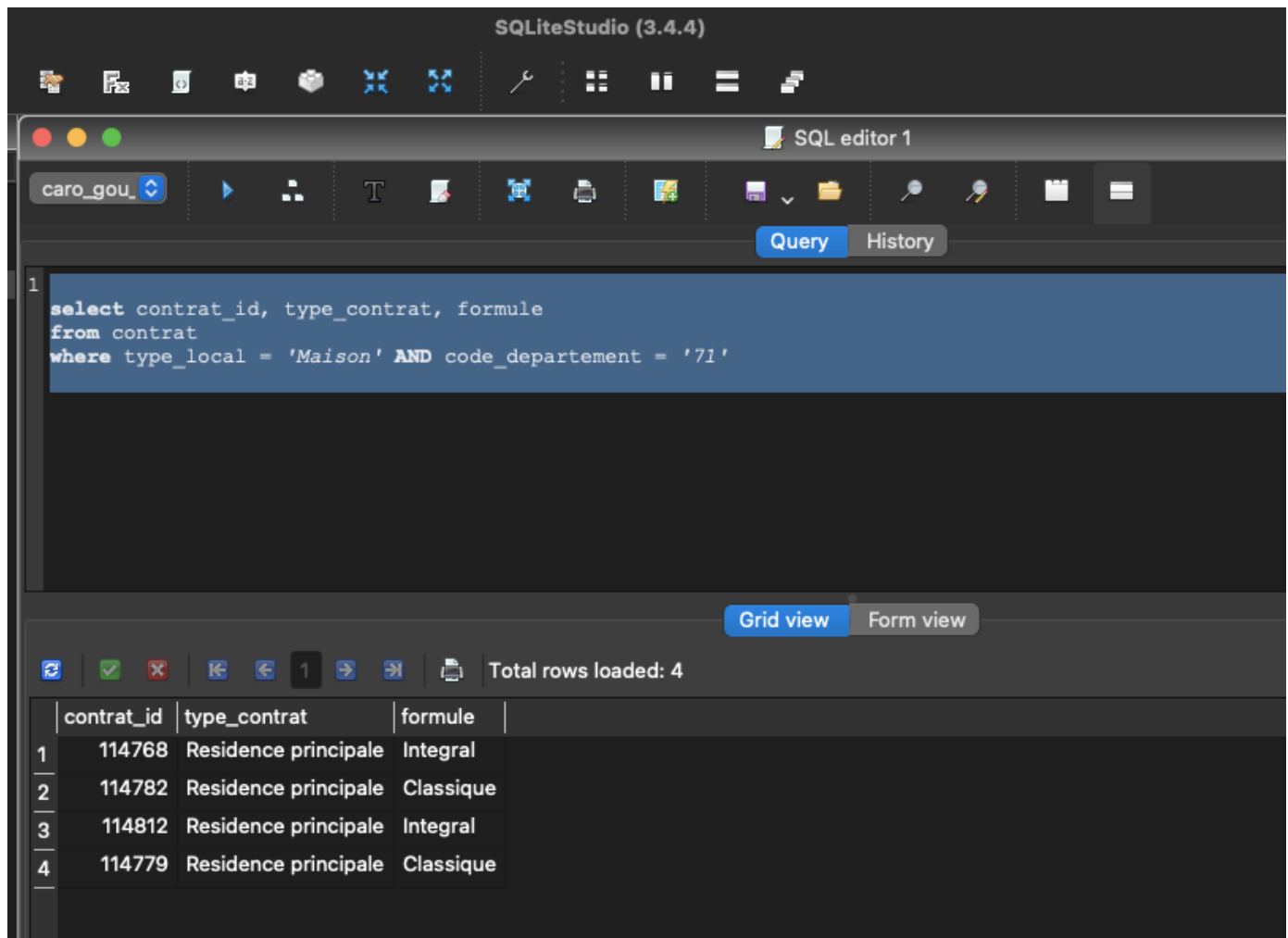
```
1 select contrat_id, surface, commune
   from contrat
  where commune = 'CAEN'
2
```

Below the editor, the results are displayed in a table. The status bar indicates "Total rows loaded: 4".

	contrat_id	surface	commune
1	103791	35	CAEN
2	103792	99	CAEN
3	103793	40	CAEN
4	103794	20	CAEN

The status bar at the bottom shows the query execution time: "Query finished in 0.001 second(s)." and "Query finished in 0.001 second(s)." with a timestamp of 13:37:28.

2. LISTER LES NUMEROS DE CONTRATS AVEC LE TYPE DE CONTRAT ET LEUR FORMULE POUR LES MAISONS DU DEPARTEMENT 71 :



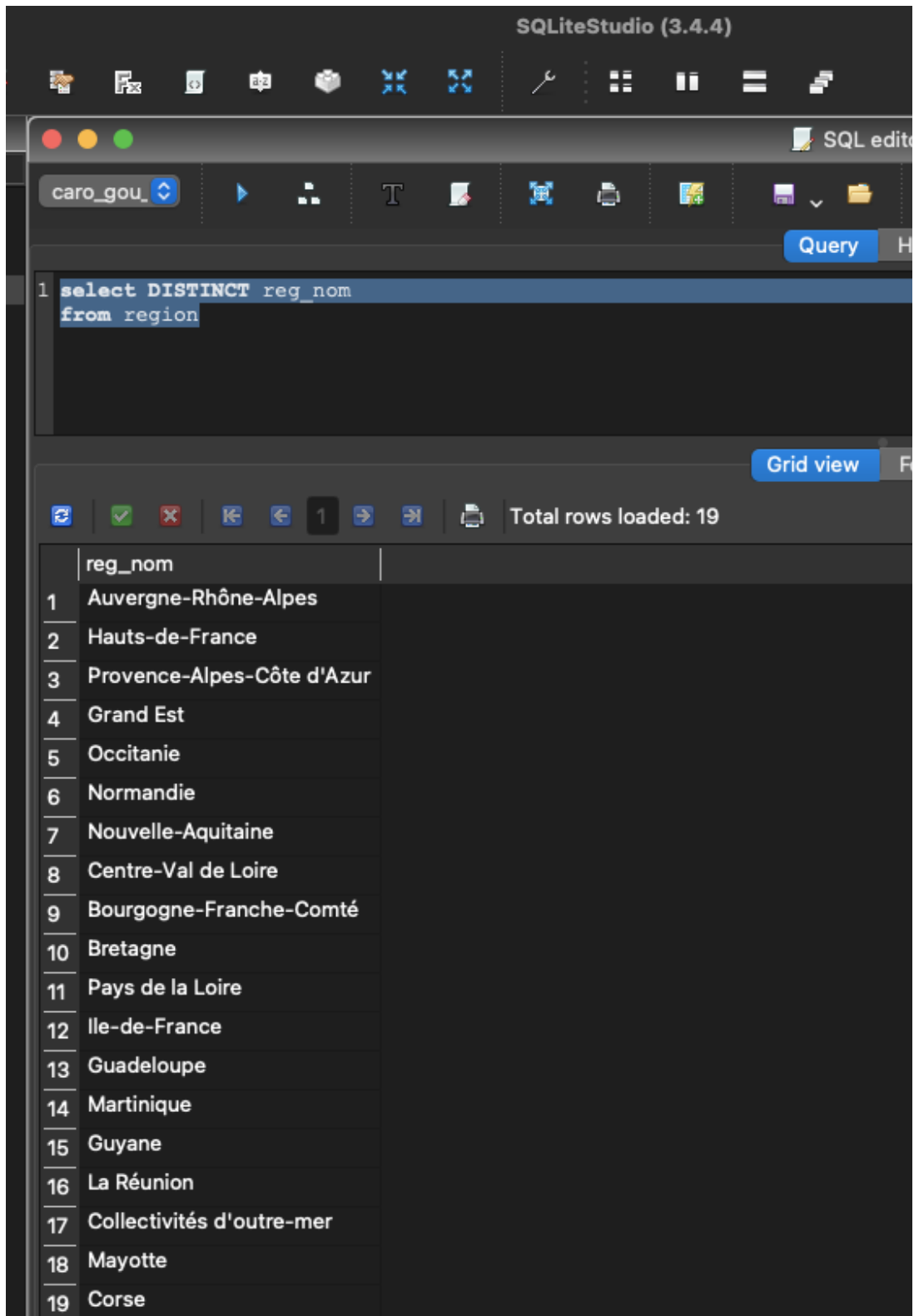
The screenshot shows the SQLiteStudio (3.4.4) interface. The SQL editor at the top contains the following query:

```
1 select contrat_id, type_contrat, formule
   from contrat
  where type_local = 'Maison' AND code_departement = '71'
```

Below the editor, the results are displayed in a table. The interface shows 'Grid view' is selected, and 'Total rows loaded: 4'.

	contrat_id	type_contrat	formule
1	114768	Residence principale	Integral
2	114782	Residence principale	Classique
3	114812	Residence principale	Integral
4	114779	Residence principale	Classique

3. LISTER LE NOM DES REGIONS DE FRANCE :



The screenshot shows the SQLiteStudio (3.4.4) interface. The SQL editor at the top contains the query: `select DISTINCT reg_nom from region`. Below the editor, the results are displayed in a table with 19 rows. The table has a single column named `reg_nom`. The results list the names of the French regions and overseas territories in alphabetical order.

	reg_nom
1	Auvergne-Rhône-Alpes
2	Hauts-de-France
3	Provence-Alpes-Côte d'Azur
4	Grand Est
5	Occitanie
6	Normandie
7	Nouvelle-Aquitaine
8	Centre-Val de Loire
9	Bourgogne-Franche-Comté
10	Bretagne
11	Pays de la Loire
12	Ile-de-France
13	Guadeloupe
14	Martinique
15	Guyane
16	La Réunion
17	Collectivités d'outre-mer
18	Mayotte
19	Corse

4. NOMBRE DE CONTRATS SUR LES RESIDENCES PRINCIPALES :

```
1 SELECT count(*)
2 FROM contrat
3 WHERE type_contrat = 'Residence principale'
```

1 25620

Total rows loaded: 1

5. SURFACE MOYENNE DES LOGEMENTS AVEC UN CONTRAT A PARIS :

```
1 SELECT AVG (surface)
2 FROM contrat
3 WHERE commune LIKE 'PARIS%'
```

1 51.76954988591579

Total rows loaded: 1

6. LES 5 CONTRATS QUI ONT LES SURFACES LES PLUS ELEVEES :

SQL editor 1

caro_gou_ Query History

```

1 SELECT *
2 FROM contrat
3 ORDER BY surface DESC
4 LIMIT 5

```

Grid view Form view

Total rows loaded: 5

	Contrat_	No_voie	B_T_Q	Type_de	Voie	Code_de	Code_pc	Commune	Code_de	Surface	Typ
1	104211	34	B	CRS	VICTOR HUGO	17421	17600	SAUJON	17	815	App
2	105463	5229		RUE	DE LA PRIVADIERE	30126	30190	0	30	742	Mai
3	130878	23		BD	DE BEAUSEJOUR	75116	75016	PARIS 16	75	595	App
4	100822	5	A	RUE	FERNAND BAZIN	02201	2600	COEUVRES ET VALSERY	2	570	Mai
5	109872	18		RUE	PAUL BELLAMY	44109	44000	NANTES	44	559	App

7. PRIX MOYEN DE LA COTISATION MENSUELLE

The screenshot shows a database query tool interface. On the left, a tree view displays the database structure for 'P2_Etp3_BDD (SQLite 3)', including a table named 'contrat' with 16 columns. The main query editor on the right contains the following SQL query:

```
1 SELECT AVG (prix_cotisation_mensuel)
2 FROM contrat
```

Below the query editor, a toolbar shows execution status and navigation icons. The results pane at the bottom displays the query output in a table format:

	AVG(prix_cotisation_mensuel)
1	19.32869622548212

The status bar indicates 'Total rows loaded: 1'.

8. NOMBRE DE CONTRATS POUR CHAQUE CATEGORIE DE PRIX DE LA VALEUR DECLAREE DES BIENS :

The screenshot shows a database query tool interface. The main query editor contains the following SQL query:

```
1
2
3
4
5 SELECT valeur_declaree_biens, count(*)
6 FROM contrat
7 GROUP BY valeur_declaree_biens
8
9
```

Below the query editor, a toolbar shows execution status and navigation icons. The results pane at the bottom displays the query output in a table format:

	valeur_declaree_biens	count(*)
1	0-25000	22720
2	100000+	104
3	25000-50000	6815
4	50000-100000	696

The status bar indicates 'Total rows loaded: 4'.

9. CLASSEMENT DES 10 DEPARTEMENTS OU LE PRIX MOYEN DE LA COTISATION EST LE PLUS ELEVÉ :

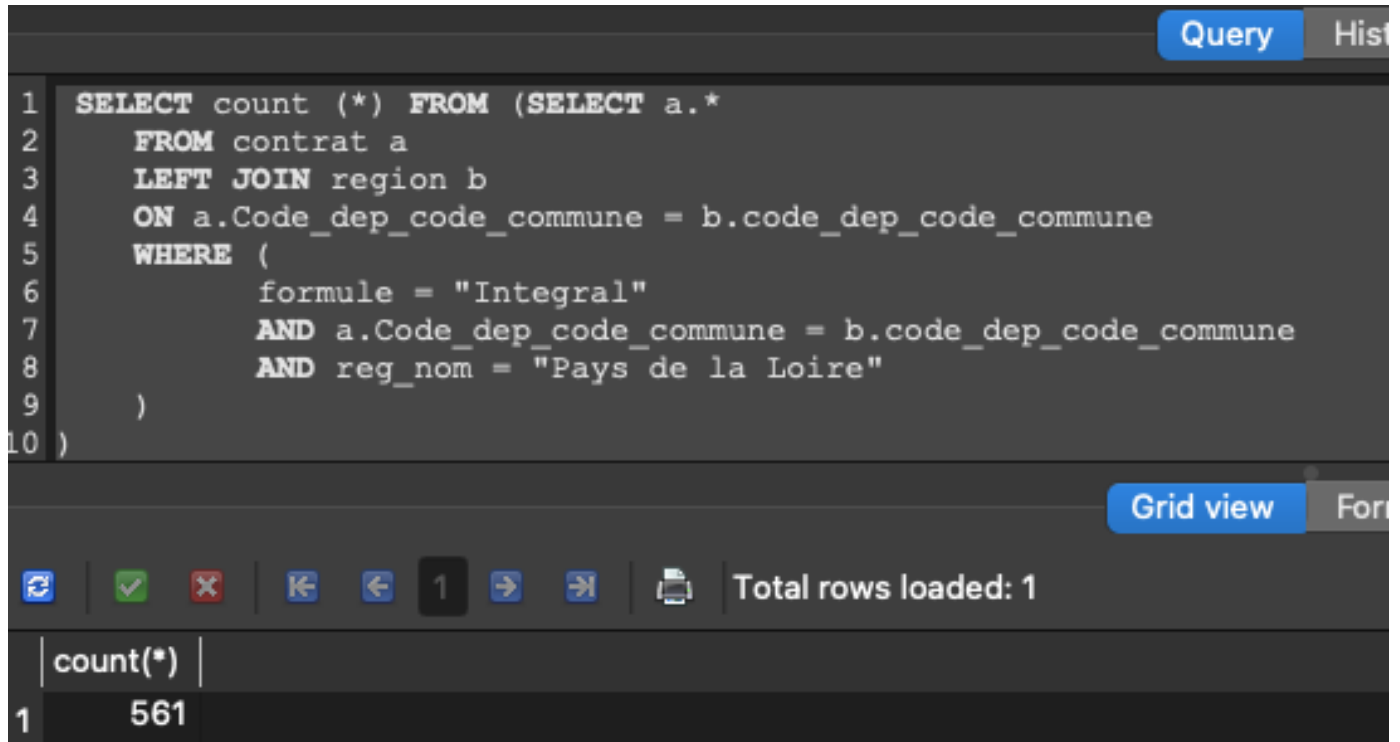
```

1 SELECT code_departement,
2 AVG(prix_cotisation_mensuel) AS PRIX_MOYEN
3 FROM contrat
4 GROUP BY 1
5 ORDER BY 2 DESC
6 LIMIT 10

```

	code_departement	PRIX_MOYEN
1	75	36.39908732628086
2	92	26.26935840707965
3	94	19.82416396979504
4	78	18.880187416332
5	69	18.45681818181818
6	1	18.23888888888889
7	6	18.13762287756926
8	17	17.31730769230769
9	74	17.1583850931677
10	20	17.02834008097166

10. NOMBRE DE CONTRATS AVEC DES FORMULES "INTEGRAL" POUR LA REGION PAYS DE LA LOIRE :



The screenshot shows a SQL query execution interface. The query is as follows:

```
1 SELECT count (*) FROM (SELECT a.*
2 FROM contrat a
3 LEFT JOIN region b
4 ON a.Code_dep_code_commune = b.code_dep_code_commune
5 WHERE (
6     formule = "Integral"
7     AND a.Code_dep_code_commune = b.code_dep_code_commune
8     AND reg_nom = "Pays de la Loire"
9 )
10 )
```

The interface includes a "Query" tab and a "Grid view" tab. Below the query, there is a toolbar with icons for refresh, check, error, navigation, and a "Total rows loaded: 1" indicator. The results are displayed in a table with the following data:

	count(*)
1	561

11. Liste des communes ayant au moins 150 contrats :



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

```

1 SELECT commune, count(*)
2 FROM contrat
3 GROUP BY 1
4 HAVING count(*) >= 150

```

Below the query editor is a toolbar with icons for refresh, execute, cancel, undo, redo, and page navigation (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20).

The results are displayed in a table with 20 rows and 2 columns: commune and count(*).









	commune	count(*)
1	BORDEAUX	302
2	COURBEVOIE	163
3	GRENOBLE	220
4	LILLE	161
5	NANTES	291
6	NICE	387
7	PARIS 3	159
8	PARIS 9	204
9	PARIS 10	263
10	PARIS 11	381
11	PARIS 12	252
12	PARIS 14	222
13	PARIS 15	407
14	PARIS 16	394
15	PARIS 17	468
16	PARIS 18	515
17	PARIS 19	266
18	PARIS 20	302
19	TOULON	170
20	TOULOUSE	187

12. NOMBRE DE CONTRATS POUR CHAQUE REGION :

```

1 SELECT reg_nom,count (*) FROM (SELECT a.*,b.reg_nom
2   FROM contrat a
3  LEFT JOIN region b
4   ON a.Code_dep_code_commune = b.code_dep_code_commune
5   )
6  GROUP BY reg_nom

```






1



Total rows loaded: 16

	reg_nom	count(*)
1	Auvergne-Rhône-Alpes	2972
2	Bourgogne-Franche-Comté	402
3	Bretagne	945
4	Centre-Val de Loire	804
5	Corse	247
6	Grand Est	806
7	Guyane	37
8	Hauts-de-France	1327
9	Ile-de-France	13474
10	La Réunion	4
11	Martinique	60
12	Normandie	898
13	Nouvelle-Aquitaine	2097
14	Occitanie	1837
15	Pays de la Loire	1138
16	Provence-Alpes-Côte d'Azur	3287