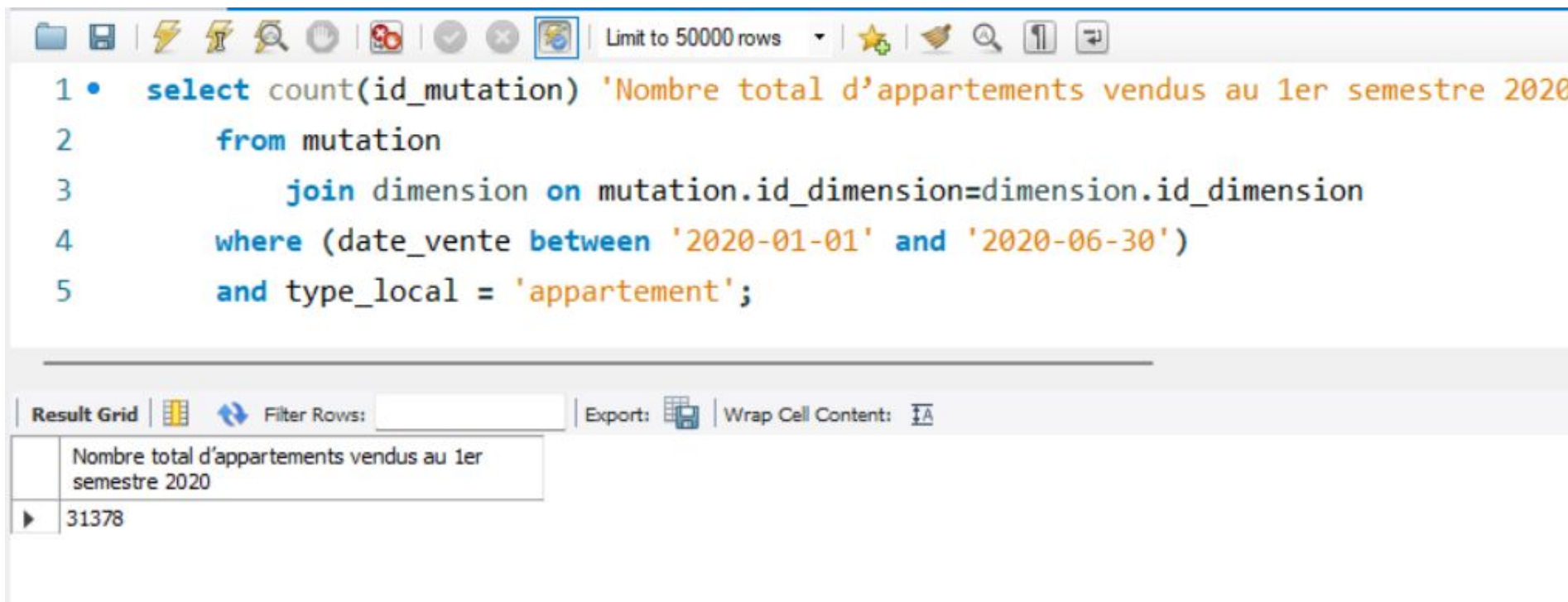


1. Nombre total d'appartements vendus au 1er semestre 2020



The screenshot shows a SQL query editor interface. The top toolbar includes icons for file operations, a search icon, a limit dropdown set to 'Limit to 50000 rows', and other utility icons. The query is as follows:

```
1 • select count(id_mutation) 'Nombre total d'appartements vendus au 1er semestre 2020'
2     from mutation
3         join dimension on mutation.id_dimension=dimension.id_dimension
4     where (date_vente between '2020-01-01' and '2020-06-30')
5     and type_local = 'appartement';
```

Below the query editor, the 'Result Grid' tab is active. It shows a single row of results with the column header 'Nombre total d'appartements vendus au 1er semestre 2020' and the value '31378'.

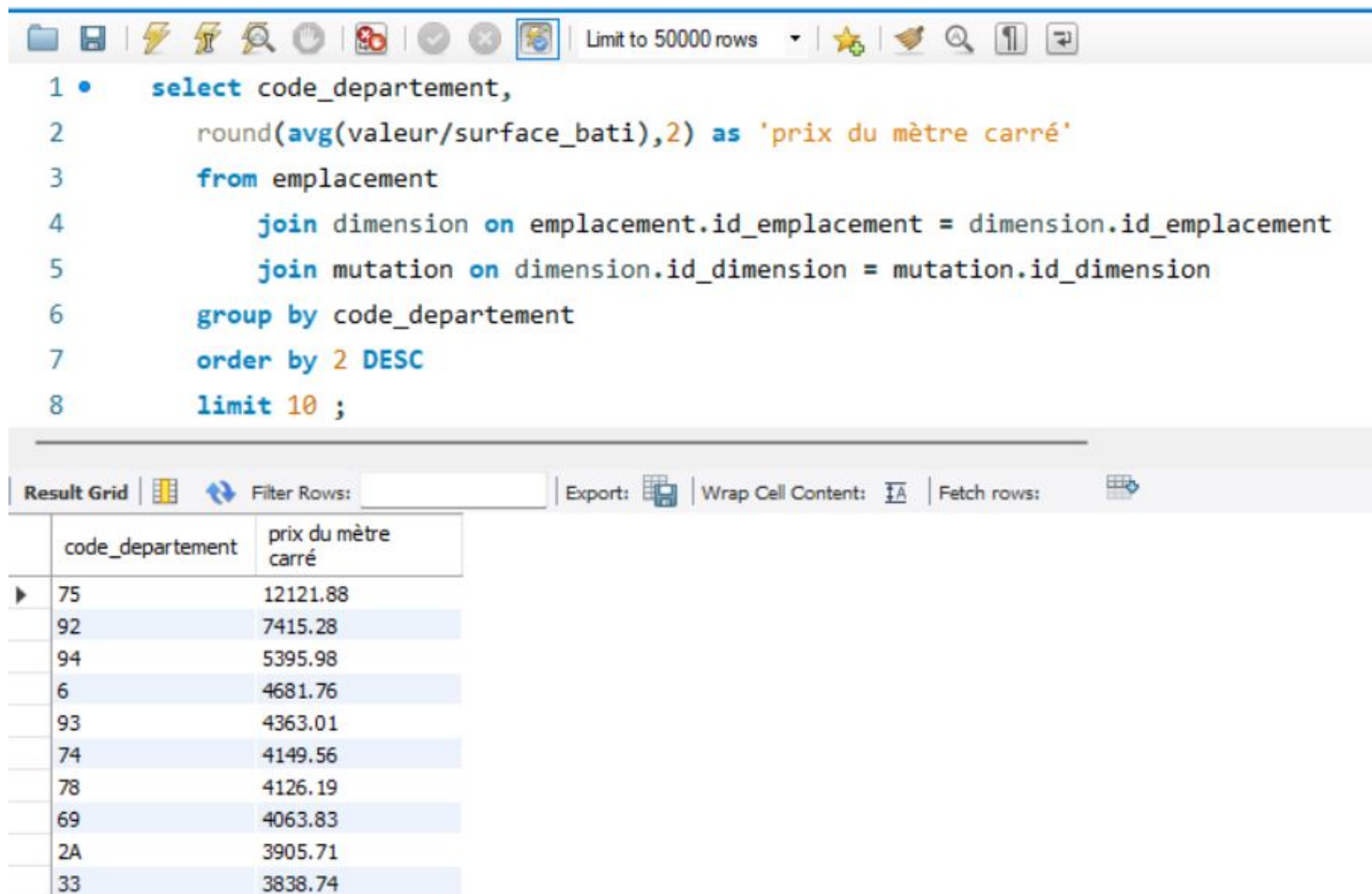
Nombre total d'appartements vendus au 1er semestre 2020
31378

2. Proportion des ventes d'appartements par le nombre de pièces.

```
8 • SELECT nb_piece, COUNT(id_mutation) * 100 / (SELECT COUNT(id_mutation) FROM mutation
9 left join dimension on mutation.id_dimension = dimension.id_dimension) as pourcentage
10 FROM mutation join dimension on mutation.id_dimension = dimension.id_dimension
11 where type_local = 'appartement'
12 GROUP BY nb_piece
13 order by 2 desc ;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	nb_piece	pourcentage			
▶	2	28.6312			
	3	26.2402			
	1	19.7226			
	4	13.0528			
	5	3.2603			
	6	0.5970			
	7	0.1580			
	0	0.0878			
	8	0.0498			
	9	0.0234			
	10	0.0059			
	11	0.0029			

3. Liste des 10 départements où le prix du mètre carré est le plus élevé.



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

```
1 • select code_département,  
2     round(avg(valeur/surface_bati),2) as 'prix du mètre carré'  
3     from emplacement  
4         join dimension on emplacement.id_emplacement = dimension.id_emplacement  
5         join mutation on dimension.id_dimension = mutation.id_dimension  
6     group by code_département  
7     order by 2 DESC  
8     limit 10 ;
```

Below the query editor, the 'Result Grid' is displayed, showing the results of the query. The grid has two columns: 'code_département' and 'prix du mètre carré'. The results are ordered by the price per square meter in descending order.

code_département	prix du mètre carré
75	12121.88
92	7415.28
94	5395.98
6	4681.76
93	4363.01
74	4149.56
78	4126.19
69	4063.83
2A	3905.71
33	3838.74

4. Prix moyen du mètre carré d'une maison en Île-de-France

```
1 • SELECT round(avg(valeur/surface_bati),2) as "prix metre carré en Ile de france"
2     from mutation
3         join dimension on mutation.id_dimension = dimension.id_dimension
4         join emplacement on dimension.id_emplacement = emplacement.id_emplacement
5     where code_departement in ('75','77','78','91','92','93','94','95')
6         and type_local = 'maison';
7
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	prix metre carré en Ile de france
▶	3997.71

5. Liste des 10 appartements les plus chers avec le département et le nombre de mètres carrés.

```
1 • SELECT
2     id_mutation ,
3     valeur,
4     code_departement ,
5     surface_bati
6 from mutation
7     join dimension on mutation.id_dimension = dimension.id_dimension
8     join emplacement on dimension.id_emplacement = emplacement.id_emplacement
9     where type_local = 'appartement'
10    order by valeur desc
11    limit 10
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Fetch rows:



	id_mutation	valeur	code_departement	surface_bati
▶	M32275	9000000.00	75	10.00
	M21835	8600000.00	91	62.00
	M29799	8577713.00	75	289.00
	M32433	7620000.00	75	42.00
	M29850	7600000.00	75	200.00
	M29522	7535000.00	75	143.00
	M31973	7420000.00	75	357.00
	M32135	7200000.00	75	241.00
	M29353	7050000.00	75	310.00
	M29513	6600000.00	75	76.00

6. Taux d'évolution du nombre de ventes entre le premier et le second trimestre de 2020

```
1 • select (  
2     (  
3         (  
4             (  
5                 (select count( id_mutation) from mutation where date_vente between '2020-04-01' and '2020-06-30')-  
6                 (select count( id_mutation) from mutation where date_vente between '2020-01-01' and '2020-03-31' )  
7             )/  
8             (select count( id_mutation) from mutation where date_vente between '2020-01-01' and '2020-03-31' )  
9         )*100  
10    )  
11 ) taux_evolution;
```

Result Grid  Filter Rows: Export:  Wrap Cell Content: 

taux_evolution
3.6779

7. Liste des communes où le nombre de ventes a augmenté d'au moins 20% entre le premier et le second trimestre de 2020

```
1 • CREATE TEMPORARY TABLE IF NOT EXISTS table3 AS (SELECT count(id_mutation) as nb, commune from emplacement
2   join dimension using (id_emplacement)
3   join mutation using (id_dimension)
4   where date_vente between '2020-04-01' and '2020-06-30'
5   GROUP BY commune);
6
7 • CREATE TEMPORARY TABLE IF NOT EXISTS table4 AS (SELECT count(id_mutation) as nc, commune from emplacement
8   join dimension using (id_emplacement)
9   join mutation using (id_dimension)
10  where date_vente between '2020-01-01' and '2020-03-31'
11  GROUP BY commune);
12
13 • select commune,nb 'nombre de ventes 2eme trimestre',nc 'nombre de ventes 1er trimestre' ,
14   round(((nb-nc)/nc)*100,2) as 'taux_evolution' from table3 join table4 using (commune)
15  where round(((nb-nc)/nc)*100,2) >= 20;
```

Result Grid | Filter Rows: | Exports: | Wrap Cell Content: |

	commune	nombre de ventes 2eme trimestre	nombre de ventes 1er trimestre	taux_evolution
▶	MENTON	51	40	27.50
	NANTES	180	119	51.26
	ST-HERBLAIN	42	22	90.91
	ST SEBASTIEN SUR LOIRE	21	15	40.00
	CHAPELLE-SUR-ERDRE (LA)	5	1	400.00
	REZE	25	12	108.33
	BOUGUENAI	6	4	50.00
	TOURNAI	2	1	200.00

Result 2 x

8. Différence en pourcentage du prix au mètre carré entre un appartement de 2 p et un appartement de 3 p.

```
1 • with
2 table4 AS (SELECT cast( AVG(valeur/surface_bati) as decimal(20,2)) as pm2, nb_piece from mutation
3 join dimension on mutation.id_dimension = dimension.id_dimension
4 join emplacement on dimension.id_emplacement = emplacement.id_emplacement
5 where nb_piece=2 and type_local= 'Appartement'),
6
7 table5 AS (SELECT cast( AVG(valeur/surface_bati) as decimal(20,2)) as pm3, nb_piece from mutation
8 join dimension on mutation.id_dimension = dimension.id_dimension
9 join emplacement on dimension.id_emplacement = emplacement.id_emplacement
10 where nb_piece=3 and type_local= 'Appartement')
11
12 select pm3 as 'moy prix au mètre carré pour les appartements 3 pieces' ,
13        pm2 as 'moy prix au mètre carré pour les appartements 2 pieces',
14        round(((pm2-pm3)/pm2)*100,2) as 'Différence en pourcentage du prix au mètre carré entre un
15 appartement de 2 pièces et un appartement de 3 pièces' from table4, table5
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	moy prix au mètre carré pour les appartements 3 pieces	moy prix au mètre carré pour les appartements 2 pieces	Différence en pourcentage du prix au mètre carré entre un appartement de 2 pièces et un appartement de 3 pièces
►	4285.37	4927.80	13.04

9. Les moyennes de valeurs foncières pour le top 3 des communes des départements 6, 13, 33, 59 et 69

```
2 • with
3   table9 AS (select round(avg(valeur),2) as val, commune, code_departement
4                 from mutation join dimension using(id_dimension)
5                 join emplacement using (id_emplacement)
6                 where code_departement in ( '6','13','33','59',69)
7                 group by commune, code_departement
8                 order by val desc)
9   select * from (
10      SELECT val ,commune,code_departement ,rank() over
11      (partition by code_departement order by val desc) as rowval
12      from table9
13      ) A
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	val	commune	code_departement	rowval
▶	330000.00	GIGNAC-LA-NERTHE	13	1
	314425.00	SAINT SAVOURNIN	13	2
	313416.88	CASSIS	13	3
	549500.64	LEGE-CAP-FERRET	33	1
	335000.00	VAYRES	33	2
	307435.93	ARCACHON	33	3
	433202.00	BERSEE	59	1
	408550.00	CYSOING	59	2
	322250.00	HALLUIN	59	3
	968750.00	SAINT-JEAN-CAP-FERRAT	6	1
	655000.00	EZE	6	2
	476898.10	MOUANS-SARTOUX	6	3
	485300.00	VILLE SUR JARNIOUX	69	1
	455217.27	LYON 2EME	69	2
	426968.25	LYON 6EME	69	3