

## Base de données opérationnelle avec les données du 1er semestre 2020

The screenshot displays a database management interface. On the left, the 'SCHEMAS' pane shows a tree view of the database structure. The 'laplace\_immo' schema is expanded, revealing tables: 'adresse', 'bien', 'commune', 'departement', and 'mutation'. The 'bien' table is selected. The main query editor shows the SQL statement: `SELECT * FROM bien;`. The 'Result Grid' pane displays the data for the 'bien' table, with columns: 'id\_bien', 'id\_adresse', 'type\_local', 'surface\_carrez', 'surface\_reelle', and 'nb\_piece'. The data is presented in a table with 28 rows.

	id_bien	id_adresse	type_local	surface_carrez	surface_reelle	nb_piece
▶	1	1	Appartement	50.42	52	2
	2	2	Appartement	48.22	48	3
	3	3	Appartement	130.8	130	6
	4	4	Maison	109.22	109	5
	5	5	Appartement	108.65	91	4
	6	6	Appartement	31.65	32	2
	7	7	Appartement	52.58	52	2
	8	8	Appartement	58.71	60	2
	9	9	Maison	93.23	96	4
	10	10	Maison	117	117	5
	11	11	Appartement	35.6	36	2
	12	12	Appartement	138.03	137	5
	13	13	Appartement	42	43	2
	14	14	Appartement	45.36	45	2
	15	15	Appartement	82.6	84	4
	16	16	Appartement	88.11	88	4
	17	17	Appartement	164.87	143	6
	18	18	Appartement	42.2	42	2
	19	18	Appartement	42.59	42	2
	20	19	Appartement	68.11	65	3
	21	20	Appartement	82.59	75	3
	22	21	Appartement	30.23	30	1
	23	22	Appartement	24.8	25	1
	24	23	Appartement	52.6	52	2
	25	24	Appartement	91.69	88	3
	26	25	Appartement	45.54	45	1
	27	26	Appartement	84.24	83	3
	28	27	Appartement	68.23	68	3
	29	28	Appartement	62.03	64	3

```
MySQL localhost:33060+ ssl laplace_immo SQL > SHOW TABLES;
```

Tables_in_laplace_immo
adresse
bien
commune
departement
mutation

```
5 rows in set (0.0009 sec)
```

```
MySQL localhost:33060+ ssl laplace_immo SQL > SHOW COLUMNS FROM adresse;
```

Field	Type	Null	Key	Default	Extra
id_adresse	int	NO	PRI	NULL	auto_increment
code_commune	int	NO	MUL	NULL	
no_voie	int	YES		NULL	
type_voie	varchar(5)	YES		NULL	
voie	varchar(50)	NO		NULL	
btq	varchar(1)	YES		NULL	

```
6 rows in set (0.0010 sec)
```

```
MySQL localhost:33060+ ssl laplace_immo SQL > SHOW COLUMNS FROM bien;
```

Field	Type	Null	Key	Default	Extra
id_bien	int	NO	PRI	NULL	
id_adresse	int	NO	MUL	NULL	
type_local	varchar(20)	NO		NULL	
surface_carrez	float	YES		NULL	
surface_reelle	float	YES		NULL	
nb_piece	int	NO		NULL	

```
6 rows in set (0.0011 sec)
```

```
MySQL localhost:33060+ ssl laplace_immo SQL > SHOW COLUMNS FROM mutation;
```

Field	Type	Null	Key	Default	Extra
id_mutation	int	NO	PRI	NULL	auto_increment
id_bien	int	NO	MUL	NULL	
type	varchar(20)	NO		NULL	
date	datetime	NO		NULL	
valeur_fonciere	float	YES		NULL	

```
5 rows in set (0.0010 sec)
```

```
MySQL localhost:33060+ ssl laplace_immo SQL > SHOW COLUMNS FROM commune;
```

Field	Type	Null	Key	Default	Extra
code_commune	int	NO	PRI	NULL	
code_dept	varchar(3)	NO	MUL	NULL	
commune	varchar(60)	NO		NULL	
code_postal	int	NO		NULL	

```
4 rows in set (0.0010 sec)
```

```
MySQL localhost:33060+ ssl laplace_immo SQL > SHOW COLUMNS FROM departement;
```

Field	Type	Null	Key	Default	Extra
code_dept	varchar(3)	NO	PRI	NULL	

```
1 row in set (0.0010 sec)
```