

Job 1

```
import mysql.connector

db = mysql.connector.connect(
    host = "localhost",
    user = "root",
    password = "N1610J2803C2912s?",
    database = "LaPlateforme"
)
```

Job 2

```
mysql> Use LaPlateforme
Database changed
mysql> CREATE TABLE etage(
    -> id INT PRIMARY KEY AUTO_INCREMENT,
    -> nom VARCHAR(255),
    -> numero INT,
    -> superficie INT);
Query OK, 0 rows affected (0.03 sec)

mysql> CREATE TABLE salles(
    -> id INT PRIMARY KEY AUTO_INCREMENT,
    -> nom VARCHAR(255),
    -> id-etage INT,
    -> capacite INT);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '-etage INT, capacite INT)' at line 4
mysql> CREATE TABLE salles(
    -> id INT PRIMARY KEY AUTO_INCREMENT,
    -> nom VARCHAR(255),
    -> id_etage INT,
    -> capacite INT);
Query OK, 0 rows affected (0.02 sec)
```

Ici nous avons créé 2 tables différentes "etage" et "salles" avec des champs.

Job 3

```
mysql> INSERT INTO etages(nom, numero, superficie)VALUES('RDC', 0, 500);
ERROR 1146 (42S02): Table 'laplateforme.etages' doesn't exist
mysql> INSERT INTO etage(nom, numero, superficie)VALUES('RDC', 0, 500);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO etage(nom, numero, superficie)VALUES('R+1',1, 500);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO salles(nom, id_etage, capacite)VALUES('Lounge',1, 100)
;
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO salles(nom, id_etage, capacite)VALUES('Studio Son',1,
5);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO salles(nom, id_etage, capacite)VALUES('Broadcasting',2
, 50);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO salles(nom, id_etage, capacite)VALUES('Bocal Peda',2,
4);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO salles(nom, id_etage, capacite)VALUES('Bocal Peda',2,
4);

mysql> INSERT INTO salles(nom, id_etage, capacite)VALUES('Coworking',2, 8
0);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO salles(nom, id_etage, capacite)VALUES('Studio Video',2
, 5);
Query OK, 1 row affected (0.01 sec)
```

Ces lignes de code permettent d'ajouter à la table par exemple salles des valeurs.

```
mysql> SELECT * FROM etage;
+----+-----+-----+-----+
| id | nom  | numero | superficie |
+----+-----+-----+-----+
| 1  | RDC  | 0      | 500        |
| 2  | R+1  | 1      | 500        |
+----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM salles;
```

| id | nom | id_etage | capacite |
|----|--------------|----------|----------|
| 1 | Lounge | 1 | 100 |
| 2 | Studio Son | 1 | 5 |
| 3 | Broadcasting | 2 | 50 |
| 4 | Bocal Peda | 2 | 4 |
| 5 | Coworking | 2 | 80 |
| 6 | Studio Video | 2 | 5 |

```
6 rows in set (0.00 sec)
```

Ici les deux dernières images me permettent de vérifier si cela à bien marcher et que toutes les valeurs se sont bien introduites dans les tables.

Job 4

```
1  import mysql.connector
2
3  db = mysql.connector.connect(
4      host = "localhost",
5      user = "root",
6      password = "N1610J2803C2912s?",
7      database = "LaPlateforme"
8  )
9  cursor = db.cursor()
10 requete = "SELECT nom, capacite FROM salles"
11 cursor.execute(requete)
12
13 for (nom, capacite) in cursor:
14     print("{} : {}".format(nom, capacite))
15
16 cursor.close()
17 db.close()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
py:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\probu\Downloads> python3 '.\python - mysql.py'
Lounge : 100
Studio Son : 5
Broadcasting : 50
Bocal Peda : 4
Coworking : 80
Studio Video : 5
```

Job 5

```
1  import mysql.connector
2
3  db = mysql.connector.connect(
4      host = "localhost",
5      user = "root",
6      password = "N1610J2803C2912s?",
7      database = "LaPlateforme"
8  )
9  cursor = db.cursor()
10 cursor.execute("SELECT SUM(superficie) AS superficie_totale FROM etage")
11 result = cursor.fetchone()[0]
12
13
14 print("La superficie de La Plateforme est de {} m2".format(result))
15
16
17 db.close()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
\cursor.py", line 427, in close
    self._connection.handle_unread_result()
File "C:\Users\probu\AppData\Local\Packages\PythonSoftwareFoundation.Python.3.10_qbz5n2k3lq2\Python310\python.exe", line 1711, in handle_unread_result
    raise InternalError("Unread result found")
mysql.connector.errors.InternalError: Unread result found
PS C:\Users\probu\Downloads> python3 '.\import mysql Job 6.py'
La capacité totale des salles est de 244
PS C:\Users\probu\Downloads> python3 '.\import mysql Job 5.py'
La capacité totale des salles est de 1000
PS C:\Users\probu\Downloads> python3 '.\import mysql Job 5.py'
La superficie de La Plateforme est de 1000 m2
```

Job 6

```
1  import mysql.connector
2
3  db = mysql.connector.connect(
4      host = "localhost",
5      user = "root",
6      password = "N1610J2803C2912s?",
7      database = "LaPlateforme"
8  )
9  cursor = db.cursor()
10 cursor.execute("SELECT SUM(capacite) AS capacite_totale FROM salles")
11 result = cursor.fetchone()
12
13 capacite_totale = result[0]
14 print("La capacité totale des salles est de {}".format(capacite_totale))
15
16
17 db.close()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Traceback (most recent call last):

File "C:\Users\probu\Downloads\python - mysql.py", line 14, in <module>
 cursor.close()

File "C:\Users\probu\AppData\Local\Packages\PythonSoftwareFoundation.Python.3.10_qb\cursor.py", line 427, in close

self._connection.handle_unread_result()

File "C:\Users\probu\AppData\Local\Packages\PythonSoftwareFoundation.Python.3.10_qb\connection.py", line 1711, in handle_unread_result

raise InternalError("Unread result found")

mysql.connector.errors.InternalError: Unread result found

PS C:\Users\probu\Downloads> python3 '.\import mysql Job 6.py'

La capacité totale des salles est de 244