création de la table Individu et insertion : :

mycursor.execute("CREATE TABLE Individu(id\_individu int not null auto\_increment primary key,nom varchar(55) not null,prenom varchar(55) not null,date\_naissance date,num\_tel1 char(10),num\_tel2 char(10))")

sql = "INSERT INTO Individu (nom,prenom,date\_naissance,num\_tel1)VALUES (%s, %s,%s, %s)"

val = [

('Thomas','Charles','19750202','0612326545'),

('Dudemaine','Marc','19600131','0678541232'),

('Chabert','Eric','19450504','0698563214'),

('Monatigne','Martha','19820615','0785422526'),

('Pullman','Lucie','19870916','0695658965')

]

mycursor.executemany(sql, val)

mydb.commit()

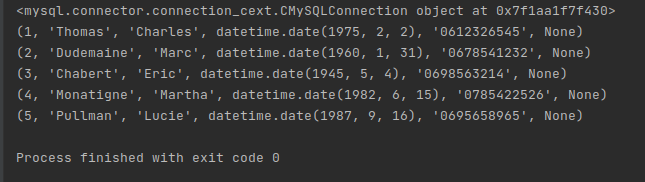
mycursor.execute("SELECT \* FROM Individu")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

select :



Création de la table Loyer et insertion de données:

mycursor.execute("CREATE TABLE Loyer (id\_loyer int not null auto\_increment primary key,type\_logement varchar(3),mt\_loyer smallint,frais smallint)")

sql = "INSERT INTO Loyer (type\_logement,mt\_loyer,frais) values (%s, %s,%s)"

val = [

('t1',450,30),

('t2',500,30),

('t3',600,30),

('t4',750,30),

('t1b',475,30)

]

mycursor.executemany(sql, val)

mydb.commit()

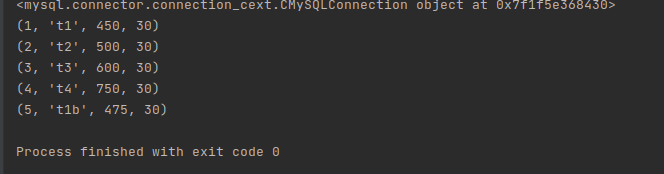
mycursor.execute("SELECT \* FROM Loyer")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

Select :



Création et insertion table Commune :

cursor.execute("CREATE TABLE Commune (id\_commune int not null auto\_increment primary key,nb\_habitant int,distance\_agence smallint,nom\_commune varchar(50) not null,cp char(5))")

sql = "INSERT INTO Commune (nb\_habitant, distance\_agence,nom\_commune, cp) values (%s,%s,%s,%s)"

val = [

(17565, 12,'Faches-Thumesnil','59255'),

(2104,20,'Capinghem','59160'),

(4068,12,'Hallennes-lez-Haubourdin','59320'),

(40246,8,'Marcq-en-Baroeul','59700'),

(21405,10,'Mons-en-Baroeul','59370')

]

mycursor.executemany(sql, val)

mydb.commit()

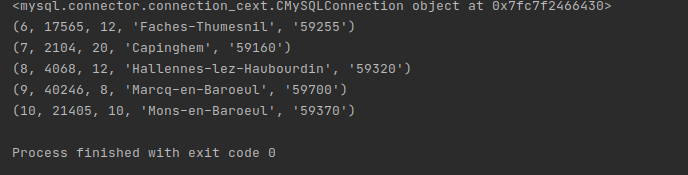
mycursor.execute("SELECT \* FROM Commune")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

Select :



Création de la table Logement et insertion :

mycursor.execute("CREATE TABLE Logement (id\_logement int not null auto\_increment primary key,id\_loyer int,superficie smallint,adresse varchar(255),id\_commune int not null,CONSTRAINT fk\_commune\_id\_commune FOREIGN KEY (id\_commune) REFERENCES Commune(id\_commune))")

sql = "INSERT INTO Logement (id\_loyer,superficie,adresse,id\_commune) values (%s,%s,%s,%s)"

val = [

(1, 25, '25 rue du molinel' ,1),

(2,35,'35 rue de Paris',2),

(4,60,'3 rue du port',3),

(3,65,'87 avenue de la République', 4),

(5,135,'15 boulevard Montebello',5)

]

mycursor.executemany(sql, val)

mydb.commit()

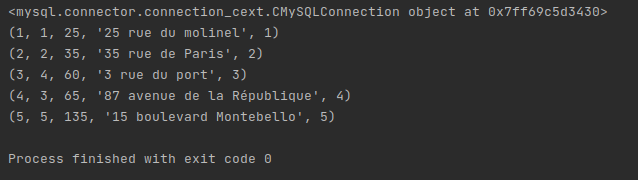
mycursor.execute("SELECT \* FROM Logement")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

select:



création de la table Location et insertion :

mycursor.execute("CREATE TABLE Location(id\_location int not null auto\_increment primary key,id\_logement int not null,id\_individu int not null,date\_debut date,date\_fin date, FOREIGN KEY (id\_logement) REFERENCES Logement(id\_logement) ,FOREIGN KEY (id\_individu) REFERENCES Individu(id\_individu))")

sql = "INSERT INTO Location (id\_logement,id\_individu, date\_debut, date\_fin) values (%s,%s,%s,%s)"

val=[

(1,1,'20181201','20200202'),

(2,1,'20200203','20220202'),

(3,2,'20160601','20200530'),

(4,5,'20200101','20201231'),

(5,4,'20190201','20231231')

]

mycursor.executemany(sql, val)

mydb.commit()

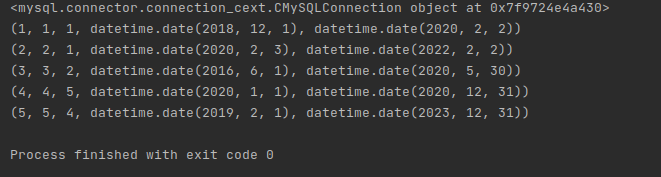
mycursor.execute("SELECT \* FROM Location")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

select :



Update :

sql = "UPDATE Individu SET prenom = %s WHERE id\_individu= %s"

val = ("Martin",1)

mycursor.execute(sql, val)

mydb.commit()

print(mycursor.rowcount, "record(s) affected")

mycursor.execute("SELECT \* FROM Individu where id\_individu = 1")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

sql = "UPDATE Loyer SET mt\_loyer = %s WHERE id\_loyer= %s"

val = (800,1)

mycursor.execute(sql, val)

mydb.commit()

print(mycursor.rowcount, "record(s) affected")

mycursor.execute("SELECT \* FROM Loyer WHERE id\_loyer= 1")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

sql = "UPDATE Commune SET distance\_agence = %s WHERE id\_commune= %s"

val = (8,1)

mycursor.execute(sql, val)

mydb.commit()

print(mycursor.rowcount, "record(s) affected")

mycursor.execute("SELECT \* FROM Commune WHERE id\_commune= 1")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

sql = "UPDATE Logement SET superficie = %s WHERE id\_logement= %s"

val = (8,1)

mycursor.execute(sql, val)

mydb.commit()

print(mycursor.rowcount, "record(s) affected")

mycursor.execute("SELECT \* FROM Logement WHERE id\_logement= 1")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

sql = "UPDATE Location SET date\_debut = %s WHERE id\_logement= %s"

val = ('20190101',1)

mycursor.execute(sql, val)

mydb.commit()

print(mycursor.rowcount, "record(s) affected")

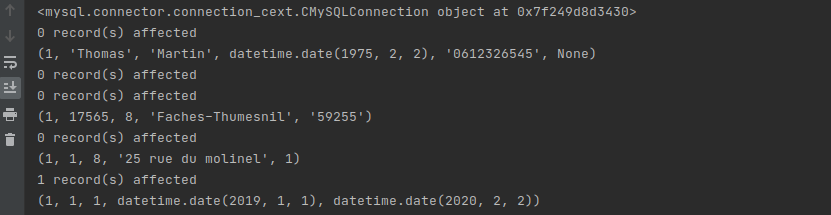
mycursor.execute("SELECT \* FROM Location WHERE id\_location= 1")

myresult = mycursor.fetchall()

for x in myresult:

print(x)

Resultat :



Supprimer un tuple:

sql = "DELETE FROM Loyer WHERE id\_loyer =1"

