

```
In [14]: 1 import mysql.connector
```

```
In [15]: 1 mydb = mysql.connector.connect(  
2         host="localhost",  
3         user="root",  
4         password="1234",  
5         database="demo2"  
6     )  
7 mycursor = mydb.cursor()
```

```
In [16]: 1 mycursor.execute('SHOW TABLES')  
2 for table in mycursor:  
3     print(table)
```

```
('student',)  
( 'student1',)
```

```
In [6]: 1 query = ''' DROP TABLE employee1'''  
2 mycursor.execute(query)
```

```
In [17]: 1 query = '''CREATE TABLE employee1(empid INT PRIMARY KEY UNIQUE,  
2                                         name VARCHAR(100) NOT NULL,  
3                                         age INT NOT NULL,  
4                                         salary INT NOT NULL,  
5                                         city VARCHAR(100) NOT NULL,  
6                                         department VARCHAR(20) NOT NULL)'''  
7 mycursor.execute(query)
```

```
In [18]: 1 query =''' INSERT INTO employee1(empid, name, age,salary, city,department)  
2         VALUES (%s, %s, %s, %s,%s, %s)'''  
3 val = (101, 'Abhay', 35, 100000,'Delhi','IT')  
4 mycursor.execute(query, val)
```

```
In [19]: 1 mycursor.execute('SELECT * FROM employee1')  
2 for row in mycursor:  
3     print(row)
```

```
(101, 'Abhay', 35, 100000, 'Delhi', 'IT')
```

In [20]:

```
1 empid = int(input('Enter employee id :'))
2 name = input('Enter the name: ')
3 age = int(input('Enter the age: '))
4 salary = int(input('Enter the salary:'))
5 city = input('Enter the city :')
6 department = input('Enter the department :')
7
8 val = (empid, name , age, salary, city, department)
9 mycursor.execute(query,val)
```

Enter employee id :102
Enter the name: Priya
Enter the age: 23
Enter the salary:200000
Enter the city :Kanchipuram
Enter the department :Finance

In [21]:

```
1 mycursor.execute('SELECT * FROM employee1')
2 for row in mycursor:
3     print(row)
```

(101, 'Abhay', 35, 100000, 'Delhi', 'IT')
(102, 'Priya', 23, 200000, 'Kanchipuram', 'Finance')

In [22]:

```
1 empid = int(input('Enter employee id :'))
2 name = input('Enter the name: ')
3 age = int(input('Enter the age: '))
4 city = input('Enter the city :')
5 department = input('Enter the department :')
6
7
8 val = (empid, name , age, salary, city, department)
9 mycursor.execute(query,val)
```

Enter employee id :112
Enter the name: Vanitha
Enter the age: 33
Enter the city :Chennai
Enter the department :IT

In [23]:

```
1 query =''' INSERT INTO employee1(empid, name, age, salary,city, department)
2         VALUES (%s, %s, %s, %s,%s,%s)'''
3 val =[ (104, 'Amit', 39,10000, 'Jodhpur', 'Finance'),
4        (105, 'kamal', 42, 60000, 'Nagpur', 'Medical'),
5        (106, 'Bhutnath', 55, 80000, 'Mumbai', 'BPO'),
6        (107, 'Gabbar', 38,100000, 'Jalore', 'Education'),
7        (108, 'Samba', 48, 40000, 'Durgapur', 'IT')]
8 mycursor.executemany(query, val)
```

```
In [24]: 1 mycursor.execute('SELECT * FROM employee1 where age >40')
2 for row in mycursor:
3     print(row)
```

```
(105, 'kamal', 42, 60000, 'Nagpur', 'Medical')
(106, 'Bhutnath', 55, 80000, 'Mumbai', 'BPO')
(108, 'Samba', 48, 40000, 'Durgapur', 'IT')
```

```
In [25]: 1 mycursor.execute('SELECT * FROM employee1 ')
2 for row in mycursor:
3     print(row)
```

```
(101, 'Abhay', 35, 100000, 'Delhi', 'IT')
(102, 'Priya', 23, 200000, 'Kanchipuram', 'Finance')
(104, 'Amit', 39, 10000, 'Jodhpur', 'Finance')
(105, 'kamal', 42, 60000, 'Nagpur', 'Medical')
(106, 'Bhutnath', 55, 80000, 'Mumbai', 'BPO')
(107, 'Gabbar', 38, 100000, 'Jalore', 'Education')
(108, 'Samba', 48, 40000, 'Durgapur', 'IT')
(112, 'Vanitha', 33, 200000, 'Chennai', 'IT')
```

```
In [26]: 1 query = ''' UPDATE employee1
2           SET city = 'Hyderabad', department = 'Education'
3           WHERE empid = 103;'''
4 mycursor.execute(query)
```

```
In [26]: 1 mycursor.execute('SELECT * FROM employee1 ')
2 for row in mycursor:
3     print(row)
```

```
(101, 'Abhay', 35, 100000, 'Delhi', 'IT')
(102, 'priya', 44, 200000, 'chennai', 'Finance')
(103, 'anitha', 35, 200000, 'Hyderabad', 'Education')
(104, 'Amit', 39, 10000, 'Jodhpur', 'Finance')
(105, 'kamal', 42, 60000, 'Nagpur', 'Medical')
(106, 'Bhutnath', 55, 80000, 'Mumbai', 'BPO')
(107, 'Gabbar', 38, 100000, 'Jalore', 'Education')
(108, 'Samba', 48, 40000, 'Durgapur', 'IT')
(109, 'Anitha', 33, 200000, 'Bangalore', 'Medical')
```

```
In [27]: 1 query ='''DELETE FROM employee1
2           WHERE empid = 103;'''
3 mycursor.execute(query)
4
```

In [28]:

```
1 mycursor.execute('SELECT * FROM employee1 ')
2 for row in mycursor:
3     print(row)

(101, 'Abhay', 35, 100000, 'Delhi', 'IT')
(102, 'Priya', 23, 200000, 'Kanchipuram', 'Finance')
(104, 'Amit', 39, 10000, 'Jodhpur', 'Finance')
(105, 'kamal', 42, 60000, 'Nagpur', 'Medical')
(106, 'Bhutnath', 55, 80000, 'Mumbai', 'BPO')
(107, 'Gabbar', 38, 100000, 'Jalore', 'Education')
(108, 'Samba', 48, 40000, 'Durgapur', 'IT')
(112, 'Vanitha', 33, 200000, 'Chennai', 'IT')
```

To DELETE Last Record from the department table

In [31]:

```
1 # METHOD -1
2 query = '''DELETE FROM employee1
3             ORDER BY empid DESC
4             LIMIT 1;'''
5 mycursor.execute(query)
6
7
```

In [32]:

```
1 mycursor.execute('SELECT * FROM employee1 ')
2 for row in mycursor:
3     print(row)

(101, 'Abhay', 35, 100000, 'Delhi', 'IT')
(102, 'Priya', 23, 200000, 'Kanchipuram', 'Finance')
(104, 'Amit', 39, 10000, 'Jodhpur', 'Finance')
(105, 'kamal', 42, 60000, 'Nagpur', 'Medical')
(106, 'Bhutnath', 55, 80000, 'Mumbai', 'BPO')
(107, 'Gabbar', 38, 100000, 'Jalore', 'Education')
(108, 'Samba', 48, 40000, 'Durgapur', 'IT')
```

In [33]:

```
1 QUERY = '''DELETE FROM employee1
2             WHERE empid = (SELECT MAX(empid) FROM employee1);'''
3
```

In [34]:

```
1 mycursor.execute('SELECT * FROM employee1 ')
2 for row in mycursor:
3     print(row)

(101, 'Abhay', 35, 100000, 'Delhi', 'IT')
(102, 'Priya', 23, 200000, 'Kanchipuram', 'Finance')
(104, 'Amit', 39, 10000, 'Jodhpur', 'Finance')
(105, 'kamal', 42, 60000, 'Nagpur', 'Medical')
(106, 'Bhutnath', 55, 80000, 'Mumbai', 'BPO')
(107, 'Gabbar', 38, 100000, 'Jalore', 'Education')
(108, 'Samba', 48, 40000, 'Durgapur', 'IT')
```

```
In [36]: 1 query = '''DELETE FROM employee1
2         ORDER BY empid DESC
3         LIMIT 1
4         OFFSET (SELECT COUNT(*) - 1 FROM employee1);'''
5
```

```
In [37]: 1 mycursor.execute('SELECT * FROM employee1 ')
2 for row in mycursor:
3     print(row)

(101, 'Abhay', 35, 100000, 'Delhi', 'IT')
(102, 'Priya', 23, 200000, 'Kanchipuram', 'Finance')
(104, 'Amit', 39, 10000, 'Jodhpur', 'Finance')
(105, 'kamal', 42, 60000, 'Nagpur', 'Medical')
(106, 'Bhutnath', 55, 80000, 'Mumbai', 'BPO')
(107, 'Gabbar', 38, 100000, 'Jalore', 'Education')
(108, 'Samba', 48, 40000, 'Durgapur', 'IT')
```

```
In [38]: 1 query = '''DELETE FROM employee1
2         WHERE empid= (SELECT empid FROM employee1 ORDER BY employee1 DESC LIM
3
```

```
In [39]: 1 mycursor.execute('SELECT * FROM employee1 ')
2 for row in mycursor:
3     print(row)

(101, 'Abhay', 35, 100000, 'Delhi', 'IT')
(102, 'Priya', 23, 200000, 'Kanchipuram', 'Finance')
(104, 'Amit', 39, 10000, 'Jodhpur', 'Finance')
(105, 'kamal', 42, 60000, 'Nagpur', 'Medical')
(106, 'Bhutnath', 55, 80000, 'Mumbai', 'BPO')
(107, 'Gabbar', 38, 100000, 'Jalore', 'Education')
(108, 'Samba', 48, 40000, 'Durgapur', 'IT')
```

```
In [ ]: 1
```