**Aim:** INSERT data into Cloud Distributed Database

1] Create two database connections in python for the two cloud databases using the connection parameters downloaded

2] Execute and commit 2 insert queries to store appropriate data in the tables of the 2-cloud database

3] Check the databases to make sure that the data is distributed across the cloud data stores

**Code:**

import pymysql

# def emp\_inputs():

while(True):

    print("Enter the required details as promted: ")

    print("Employee number: ")

    emp\_number = input()

    print("Name: ")

    name = input()

    print("Location: ")

    location = input()

    print("Department: ")

    department = input()

    # partion\_key = 1 for paris

    # partion\_key = 2 for montreal

    print("Post: ")

    post = input()

    print("Salary: ")

    salary = input()

    age = input("Age: ")

    qualification = input("Qualification: ")

    mobile = input("Mobile number: ")

    email\_id = input("Email id: ")

    #Paris connection

    print("Connecting........ Paris instance")

    conn1 = pymysql.connect(

        host='bcpcsxss1zmqtkfvg39q-mysql.services.clever-cloud.com',

        user='uybx7xvspaed5ycl',

        password = "Fg35TbunMQywjCacUWEb",

        database='bcpcsxss1zmqtkfvg39q',

        charset='utf8mb4',

        cursorclass=pymysql.cursors.DictCursor

        )

    cur = conn1.cursor()

    cur.execute("select @@version")

    cur.execute("INSERT INTO employee\_official(empno ,partitionkey, empnm, location, dept, post, salary) VALUES(%s, %s, %s, %s, %s, %s, %s)", (emp\_number, 1, name, location, department, post, salary))

    cur.execute("select \* from employee\_official")

    for row in cur.fetchall():

        print(row)

    conn1.commit()

    # To close the connection

    conn1.close()

    #Montreal Connection

    print("Connecting........ Montreal Instance")

    conn2 = pymysql.connect(

        host='bqvq6lck6dm10vfsutvk-mysql.services.clever-cloud.com',

        user='ug7fbb0xexnrfoza',

        password = "qhXvGeJmuvKQLikmmkkJ",

        database='bqvq6lck6dm10vfsutvk',

        charset='utf8mb4',

        cursorclass=pymysql.cursors.DictCursor

        )

    cur = conn2.cursor()

    cur.execute("select @@version")

    cur.execute("INSERT INTO employee\_personal(empno ,partitionkey, empnm, age, qualification, mobile, emailid) VALUES(%s, %s, %s, %s, %s, %s, %s)", (emp\_number, 2, name, age, qualification, mobile, email\_id))

    cur.execute("select \* from employee\_personal")

    for row in cur.fetchall():

        print(row)

    conn2.commit()

    # To close the connection

    conn2.close()

    print("Data entered. Enter 1 to continue else enter 0.")

    if(int(input())==0):

        break

**Output:**



