//EX3

import mysql.connector

def create\_database():

    mydb = mysql.connector.connect(

        host="localhost",

        user="root",

        password="74225108",

        database="sistema\_escolar\_soul\_on"

    )

    mycursor = mydb.cursor()

    mycursor.execute("CREATE DATABASE sistema\_escolar\_soul\_on")

    print("Database criada com sucesso!")

create\_database()

def create\_table():

    mycursor.execute("CREATE TABLE alunos (id INT AUTO\_INCREMENT PRIMARY KEY, nome VARCHAR(255), matricula VARCHAR(255), turma VARCHAR(255))")

    print("Tabela criada com sucesso!")

create\_table()

def insert\_data():

    sql = "INSERT INTO alunos (nome, matricula, turma) VALUES (%s,%s,%s)"

    valores = [

                ('José Lima','MAT90551','BCW22'),

                ('Carlos Augusto','MAT90552','BCW22'),

                ('Lívia Lima','MAT90553','BCW22'),

                ('Sandra Gomes','MAT90554','BCW23'),

                ('João Augusto','MAT90555','BCW23'),

                ('Breno Lima','MAT90556','BCW24'),

                ('José Vinícius','MAT90557','BCW25')]

    mycursor.executemany(sql,valores)

    mydb.commit()

    print(mycursor.rownum,"linha(s) inserida(s).")

insert\_data()

def select\_data():

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

    myresult = mycursor.fetchall()

    for x in myresult:

        print(x)

def select\_data2():

    mycursor.execute("SELECT nome, matricula FROM alunos WHERE turma = 'BCW23'")

    myresult = mycursor.fetchall()

    for x in myresult:

        print(x)

def select\_data3():

    mycursor.execute("SELECT nome FROM alunos WHERE nome LIKE '%Lima%'")

    myresult = mycursor.fetchall()

    for x in myresult:

        print(x)

select\_data()

select\_data2()

select\_data3()

def change\_class():

    sql = "UPDATE alunos SET turma = 'BCW25' WHERE nome = 'Carlos Augusto'"

    mycursor.execute(sql)

    mydb.commit()

    print(mycursor.rowcount, "linha(s) alterada(s). ")

change\_class()

def delete\_item():

    sql = "DELETE FROM alunos WHERE nome = 'José Vinícius'"

    mycursor.execute(sql)

    mydb.commit()

    print(mycursor.rowcount, "linha(s) deletada(s). ")

delete\_item()