4/1/25, 8:11 AM MySQLDemo

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import mysql.connector
        # Connect to MySQL database
        conn = mysql.connector.connect(
            host="localhost",
            user="root",
            password="devyani21",
            database="testdb"
        cursor = conn.cursor()
        # Create Table
        cursor.execute('''CREATE TABLE IF NOT EXISTS users (
                             id INT AUTO INCREMENT PRIMARY KEY,
                             name VARCHAR(255) NOT NULL,
                             age INT NOT NULL)''')
        conn.commit()
        # Insert Data
        def insert_user(name, age):
            cursor.execute("INSERT INTO users (name, age) VALUES (%s, %s)", (name, age))
            conn.commit()
        # Read Data
        def fetch users():
            cursor.execute("SELECT * FROM users")
            return cursor.fetchall()
        # Update Data
        def update_user(user_id, new_name, new_age):
            cursor.execute("UPDATE users SET name = %s, age = %s WHERE id = %s", (new_na
            conn.commit()
        # Delete Data
        def delete user(user id):
            cursor.execute("DELETE FROM users WHERE id = %s", (user id,))
            conn.commit()
        # Test CRUD operations
        insert_user("Alice", 25)
        insert user("Bob", 30)
        print("Users after insertion:", fetch_users())
        update_user(1, "Alice Cooper", 26)
        print("Users after update:", fetch_users())
        delete user(2)
        print("Users after deletion:", fetch_users())
        # Close connection
        conn.close()
       Users after insertion: [(1, 'Alice', 25), (2, 'Bob', 30)]
       Users after update: [(1, 'Alice Cooper', 26), (2, 'Bob', 30)]
       Users after deletion: [(1, 'Alice Cooper', 26)]
In [ ]:
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