**🔧 Python Activity 23: Build a Simple Reservation System Using SQLite**

**🎯 Goal:**

Create a command-line reservation program with a menu that allows users to:

* Add a new reservation
* View all reservations
* Update an existing reservation
* Exit the program

**💻 Requirements:**

1. Use **sqlite3** to connect to a database named:  
   👉 reservations.sqlite
2. Create a table named reservations with the following fields:
   * id
   * name
   * guests
   * date
3. Show a repeating **menu** using a loop:

[1] Add Reservation

[2] View Reservations

[3] Update Reservation

[4] Exit

1. Based on the user's choice:
   * **[1] Add Reservation**: Ask for name, number of guests, and date.
   * **[2] View Reservations**: Display all records from the table.
   * **[3] Update Reservation**: Ask for reservation ID and allow updates to name, guests, and date.
   * **[4] Exit**: Ends the program.

**📝 Instructions:**

* **Filename**: Save your program as Python\_Activity23.py
* **Make your program clear** – use print statements to guide the user.
* **Use loops** to repeat the menu until the user chooses to exit.
* **Use conn.commit()** to save changes to the database.
* Use **input validation** (bonus points if you do).

**✅ Output Example:**

Welcome to the Reservation System!

[1] Add Reservation

[2] View Reservations

[3] Update Reservation

[4] Exit

Enter your choice: 1

Enter name: Ana

Enter number of guests: 3

Enter reservation date (YYYY-MM-DD): 2025-06-15

Reservation added successfully!