

Lab 2: SQL

Databases



- Structure
- Retrieval
- Integrity



SQLite



Zero Configuration
Easy to Use
Single Database File



Notebook



Revision

- **Establish connection:** sqlite3.connect('example.db')
- Create table: CREATE TABLE users
- Read data: SELECT * from WHERE
- Aggregations: GROUP BY org ORDER BY 1
- Advanced Concepts
 - Transactions: Atomicity (smallest complete action)
 - Concurrency: Ticket booking system
 - Indexing: B-Trees (tenth of a second vs thousandth of a second)

