CRUD

C --> Create

R --> Read

U --> Update

D --> Delete

Setting up your Sqlite3

In [1]:
```python
!pip install sqlite3
```

```
WARNING: Ignoring invalid distribution -rotobuf (c:\users\sriharsha\anacon
da3\lib\site-packages)
ERROR: Could not find a version that satisfies the requirement sqlite3 (fr
om versions: none)
ERROR: No matching distribution found for sqlite3

[notice] A new release of pip is available: 23.1.2 -> 24.2
[notice] To update, run: python.exe -m pip install --upgrade pip
```

In [2]:
```python
import sqlite3 as sql

print(sql.sqlite_version)
```

```
3.35.4
```

Connection to an sqlite3 Database

In [3]:
```python
# Connect to a databse
conn = sql.connect("mysqlite3.db")
# cursor objects
```

In [7]:
```python
cursor = conn.cursor()


```

In [9]:
```python
# Create a table:
cursor.execute('''
                CREATE TABLE IF NOT EXISTS users(
                ID INTEGER,
                name TEXT,
                age INTEGER)''')
```

Out[9]: `<sqlite3.Cursor at 0x230f57ae650>`

In [10]:
```python
conn.commit()
```

In [11]:
```python
# Insert data in to the table
cursor.execute("""
                INSERT INTO users (ID, name, age)
                VALUES(1,"Sam",30)""")
conn.commit()
```

In [13]:
```python
# Query the database
cursor.execute("""
                SELECT * FROM users""")
```

Out[13]: `<sqlite3.Cursor at 0x230f57ae650>`

In [14]:
```python
rows = cursor.fetchall()

for i in rows:
    print(i)
```

```
(1, 'Sam', 30)
```