Working with Sqlite using Python (Linux)

- 1. Open UBUNTU terminal
- 2. Enter in root mode and execute following commands to install sqlite3 database sudo passwd root sudo apt-get update sudo spt-get install sqlite3 sudo apt-get update
- Open python shell python
- **4.** Import sqlite3 into python *Import sqlite3*

Ready to work with Sqlite3 Database using Python.

How to Create Database in RAM and Database file?

```
import sqlite3
# Create a database in RAM
db = sqlite3.connect(':memory:')
# Create or opens a file called mydatabse with a SQLite3 Database
db = sqlite3.connect('./mydatabase') // mydatabase file will be created HOME directory
```

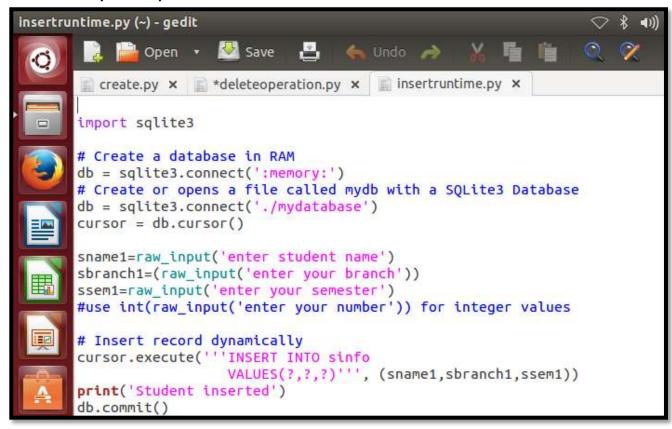
Database operations on Sqlite3 using Python

1. Creating Database table :sinfo

2. Insert a record into sinfo.

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       create.py x | *deleteoperation.py x | insertruntime.py x | *insertop.py
       import sqlite3
       # Create a database in RAM
       db = sqlite3.connect(':memory:')
       # Create or opens a file called mydb with a SQLite3 Database
       db = sqlite3.connect('./mydatabase')
       cursor = db.cursor()
       name1 ='student1'
       branch1 = 'cba'
       sem1= 'four'
       # Insert first record
       cursor.execute('''INSERT INTO sinfo
                         VALUES(?,?,?)''', (name1,branch1,sem1))
       print('Student inserted')
       db.commit()
```

3. Insert record dynamically



Output of above file

```
Terminal

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```

4. Display records of table



5. Update records

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                                                                      *updated
      import sqlite3
      # Create a database in RAM
      db = sqlite3.connect(':memory:')
      # Create or opens a file called mydb with a SQLite3 Database
      db = sqlite3.connect('./mydatabase')
      cursor = db.cursor()
      #sname1=raw_input('enter student name')
      # update record
      cursor.execute(''' update sinfo set branch=cba where semester=4 ''')
      print('Student updated')
      dh commit()
       LibreOffice Impress
```

6. Delete record