



## SQLite Installation

**Step 1:** Visit <http://www.sqlite.org/download.html>

**Step 2: Download** SQLite-dll-win32-x86-3200100.zip

**Step 3: Unzip** the folder and copy below two files inside

**C:\Python34\Scripts folder**

	sqlite3.def	10/22/2017 11:43 ...	DEF File	5 KB
	sqlite3.dll	10/22/2017 11:43 ...	Application extens...	832 KB

**Step 4: Create** a sample python script to verify the database installation.

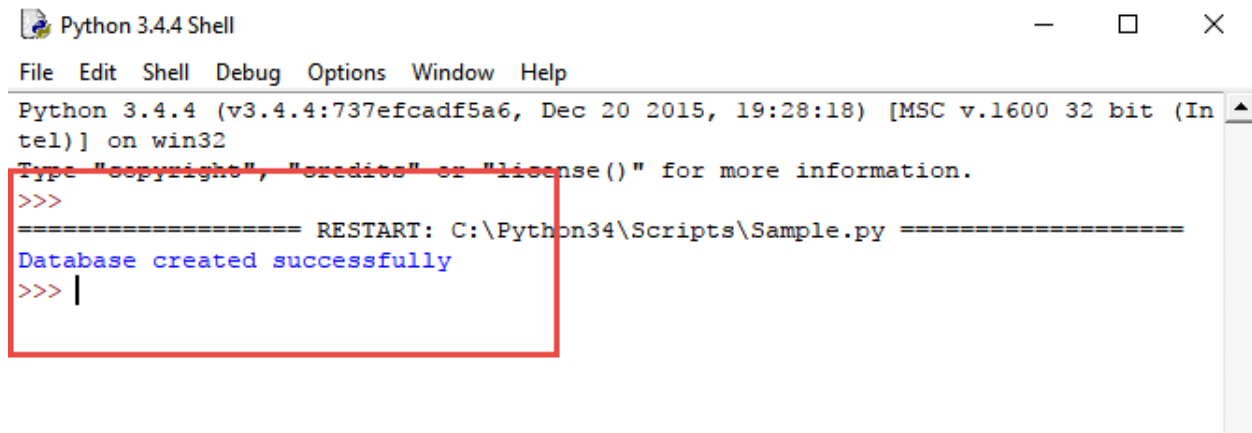
```
#!/usr/bin/python
```

```
import sqlite3
```

```
conn = sqlite3.connect('QMB4400Test.db')
```

```
print "Database created successfully."
```

**Step 5: Run** the script.



```
Python 3.4.4 Shell
File Edit Shell Debug Options Window Help
Python 3.4.4 (v3.4.4:737efcadf5a6, Dec 20 2015, 19:28:18) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Python34\Scripts\Sample.py =====
Database created successfully
>>> |
```

**Step 6:** Create a studentgrade table as described below.

```
import sqlite3 as sqllite
```

```
import sys
```

```
connection = sqllite.connect('QMB4400Test')
```

```
with connection:
```

```
    cur = connection.cursor()
```

```
    cur.execute("DROP TABLE IF EXISTS StudentGrades")
```

```

    cur.execute("CREATE TABLE StudentGrades(StudentID INT, StudentName TEXT,
StudentTotalPoints INT)")
    cur.execute("INSERT INTO StudentGrades VALUES(1,'John Morris',800)")
    cur.execute("INSERT INTO StudentGrades VALUES(2,'Tim Tuttle',200)")
    cur.execute("INSERT INTO StudentGrades VALUES(3,'Junsti Winds',900)")
    cur.execute("INSERT INTO StudentGrades VALUES(4,'Wendy Wise',1000)")
    cur = connection.cursor()
    cur.execute("SELECT * FROM StudentGrades")

```

**Step 7:** Modify the script as described below and review the output.

```

import sqlite3 as sqllite
import sys

connection = sqllite.connect('QMB4400Test')

with connection:

    cur = connection.cursor()
    cur.execute("DROP TABLE IF EXISTS StudentGrades")
    cur.execute("CREATE TABLE StudentGrades(StudentID INT, StudentName TEXT,
StudentTotalPoints INT)")
    cur.execute("INSERT INTO StudentGrades VALUES(1,'John Morris',800)")
    cur.execute("INSERT INTO StudentGrades VALUES(2,'Tim Tuttle',200)")
    cur.execute("INSERT INTO StudentGrades VALUES(3,'Junsti Winds',900)")
    cur.execute("INSERT INTO StudentGrades VALUES(4,'Wendy Wise',1000)")
    cur = connection.cursor()
    cur.execute("SELECT * FROM StudentGrades")

    rows = cur.fetchall()

    for row in rows:
        print (row)

```