## Simplest way

```
import sqlite3
conn=sqlite3.connect("C:\\Users\\Geetu\\Desktop\\New folder\\DB2.db")
c = conn.cursor()
```

**Receiving Data from SQL**

```
c.execute(''' Select * from student''')
import pandas as pd
df = pd.DataFrame(c.fetchall())
print (df)
```

**Sending data to SQL**

```
d={"roll":[1,2],"Name":["Geetu",None],"marks":[34.6,56.7],"Dob":["2002-03-03",None]}
df2=pd.DataFrame(d)
df2.to_sql('student', conn, if_exists='append', index = False)
c.execute(''' Select * from student''')
import pandas as pd
df = pd.DataFrame(c.fetchall())
print (df)
```

## Proper Way:

## Check version

```
import sqlite3
try:
   sqlconnection=sqlite3.connect("C:\\Users\Geetu\OneDrive\Desktop\hospitalinfo.db")
   cursor=sqlconnection.cursor()
   print("Database connected successfully")
   sqlquery="Select sqlite_version();"
   cursor.execute(sqlquery)
   record=cursor.fetchall();
   print(record)
   cursor.close();
except sqlite3.Error as error:
   print("Error")
finally:
   sqlconnection.close()
```

```
try:
    sqlconnection=sqlite3.connect("C:\\Users\Geetu\OneDrive\Desktop\Hospitalinfo.db")
    cursor=sqlconnection.cursor()
    print("Database connected successfully")
    query="""SELECT * FROM hospital """
    cursor.execute(query)
    records=cursor.fetchall()
    print("Number of records: ",len(records))
    for row in records:
        print(row[0],end=" ")
        print(row[1],end=" ")
        print(row[2],end=" ")
        print()
except sqlite3.Error as error:
    print("Error")
finally:
    sqlconnection.close()
```

**Using Data frame is better….**

```
import pandas as pd
try:
   sqlconnection=sqlite3.connect("C:\\Users\Geetu\OneDrive\Desktop\Hospitalinfo.db")
   cursor=sqlconnection.cursor()
   print("Database connected successfully")
   query="""SELECT * FROM hospital where id=101 """
   cursor.execute(query)
   df = pd.DataFrame(cursor.fetchall())
   print (df)
except sqlite3.Error as error:
   print("Error")
finally:
   sqlconnection.close()
```