SQL LITE

In [22]:
```
#!/usr/bin/python
import sqlite3
conn=sqlite3.connect('test.db1')
print("opened database successfully")
```

```
opened database successfully
```

In [23]:
```
import sqlite3

conn = sqlite3.connect('test.db1')
print ("Opened database successfully");

conn.execute('''CREATE TABLE COMPANY1
         (ID INT PRIMARY KEY     NOT NULL,
         NAME           TEXT    NOT NULL,
         AGE            INT     NOT NULL,
         ADDRESS        CHAR(50),
         SALARY         REAL);''')
print ("Table created successfully");

conn.close()
```

```
Opened database successfully
Table created successfully
```

In [24]:
```
import sqlite3

conn = sqlite3.connect('test.db1')
print ("Opened database successfully");

conn.execute("INSERT INTO COMPANY1 (ID,NAME,AGE,ADDRESS,SALARY) VALUES (1, 'Paul'

conn.execute("INSERT INTO COMPANY1 (ID,NAME,AGE,ADDRESS,SALARY) VALUES (2, 'Aller

conn.execute("INSERT INTO COMPANY1 (ID,NAME,AGE,ADDRESS,SALARY) VALUES (3, 'Teddy

conn.execute("INSERT INTO COMPANY1 (ID,NAME,AGE,ADDRESS,SALARY) VALUES (4, 'Mark'

conn.commit()
print ("Records created successfully");
conn.close()
```

```
Opened database successfully
Records created successfully
```

In [25]:
```
import sqlite3

conn = sqlite3.connect('test.db1')
print ("Opened database successfully");

cursor = conn.execute("SELECT id, name, address, salary from COMPANY1")
for row in cursor:
   print ("ID = ", row[0])
   print ("NAME = ", row[1])
   print ("ADDRESS = ", row[2])
   print ("SALARY = ", row[3], "\n")
print ("Operation done successfully");
conn.close()
```

```
Opened database successfully
ID =  1
NAME =  Paul
ADDRESS =  California
SALARY =  20000.0

ID =  2
NAME =  Allen
ADDRESS =  Texas
SALARY =  15000.0

ID =  3
NAME =  Teddy
ADDRESS =  Norway
SALARY =  20000.0

ID =  4
NAME =  Mark
ADDRESS =  Rich-Mond
SALARY =  65000.0

Operation done successfully
```

In [16]:
```
import sqlite3
con=sqlite3.connect("test.db")
cursor = conn.execute('''drop table company''')

con.close()
```

In [35]:
```
import sqlite3
con=sqlite3.connect("test.db1")
cursor = con.execute("select * from company1")
for row in cursor:
    print(row[0],row[1],row[2],row[3])
```

```
1 Paul 32 California
2 Allen 25 Texas
3 Teddy 23 Norway
4 Mark 25 Rich-Mond
```

In [29]: