In [1]:
```
import sqlite3
```

In [2]:
```
connection = sqlite3.connect("customer.db") #customer.db gets created
```

In [3]:
```
c = connection.cursor() #to interact with the db
#without this the create table command wont work
```

In [4]:
```
# method 1: single line
# c.execute("CREATE TABLE customer ( first_name DATATYPE, last_name DATATYPE, emc
```

In [5]:
```
# method 2: multi line comment
# c.execute("""CREATE TABLE customer (
# first_name DATATYPE,
# last_name DATATYPE,
# email DATATYPE)""")

#havent specified datatype
```

In [6]:
```
# method 2: multi line comment

# c.execute("""CREATE TABLE customer (
# first_name text,
# last_name text,
# email text)""")

#here i have specified datatype
# already exists from line 5
```

In [7]:
```
c.execute("""CREATE TABLE customer (
first_name text,
last_name text,
email text)""")
# creating customer
```

Out[7]:
```
<sqlite3.Cursor at 0x1c76d57d420>
```

In [8]:
```
#commit
connection.commit()
```

In [9]:
```
#close connection
connection.close()
```

In [ ]:

In [ ]:

In [10]:
```
import sqlite3
connection = sqlite3.connect("customer.db")
c = connection.cursor()
c.execute("INSERT INTO customer VALUES('Tim', 'Smith', 'tim@code.com')")
connection.commit()
connection.close()
#inserted 1 row in the database
```

In [11]:
```
import sqlite3
connection = sqlite3.connect("customer.db")
c = connection.cursor()
c.execute("INSERT INTO customer VALUES('Mary', 'Brown', 'mary@code.com')")
connection.commit()
connection.close()
```

In [12]:
```
# inserting multiple records into the same table
```

In [13]:
```
import sqlite3
connection = sqlite3.connect("customer.db")
c = connection.cursor()
many_customers = [('Wes','Brown','wes@code'),('Steve','Rogers','steve@code.com'),
c.executemany("INSERT INTO customer VALUES(?, ?, ?)", many_customers)
connection.commit()
connection.close()
```

In [ ]:
```

```

In [ ]:
```

```

In [14]:
```
# query the database to fetch the records
```

In [15]:
```
import sqlite3
connection = sqlite3.connect("customer.db")
c = connection.cursor()
c.execute('SELECT * FROM customer')

# print(c.fetchall()) # all
# print(c.fetchone()) # first one
print(c.fetchmany(2)) # first 2

connection.commit()
connection.close()
```

```
[('Tim', 'Smith', 'tim@code.com'), ('Mary', 'Brown', 'mary@code.com')]
```

In [17]:
```
# printing on separate lines
import sqlite3
connection = sqlite3.connect("customer.db")
c = connection.cursor()
c.execute('SELECT * FROM customer')
items = c.fetchall()

for item in items:
#     print(item)
    print(item[0])

connection.commit()
connection.close()
```

```
Tim
Mary
Wes
Steve
Tony
```

In [ ]:
```

```