

```

1  #database setup
2
3  import sqlite3 as sq
4  dbFin = sq.connect('Clients and Receipts.db')
5  c = dbFin.cursor()
6
7  # Create Table - Client Info, using client_id
8  c.execute('''CREATE TABLE IF NOT EXISTS CLIENTS
9              ([client_id] INTEGER PRIMARY KEY AUTOINCREMENT,
10             [Client_Name] text,
11             [Username] text,
12             [Password] text)''')
13
14  #Create Table for sales made using foreign key client_id
15
16  c.execute('''CREATE TABLE IF NOT EXISTS SALES_MADE
17              ([client_id] INTEGER,
18             [Sale_ID] INTEGER PRIMARY KEY AUTOINCREMENT,
19             [Date_Of_Sale] text,
20             [unix_date_sales] REAL,
21             [Revenue] REAL,
22             [ItemSold] text,
23             CONSTRAINT fk_client
24             FOREIGN KEY (client_id) REFERENCES CLIENTS(client_id))''')
25
26  # create Table Receipts using client_id as a foreign key
27  # use receipt_id as a primary key and autoincrement
28
29  c.execute('''CREATE TABLE IF NOT EXISTS RECEIPTS
30              ([client_id] INTEGER,
31             [receipt_id] INTEGER PRIMARY KEY AUTOINCREMENT,
32             [total_price] REAL,
33             [place_of_purchase] text,
34             [Date_of_Purchase] text,
35             [unix_date_purchase] REAL,
36             CONSTRAINT fk_client
37             FOREIGN KEY(client_id) REFERENCES CLIENTS(client_id))''')
38
39  #create table for item use item_id as a primary key
40  #use receipt_id as a foreign key to set up a link
41
42  c.execute('''CREATE TABLE IF NOT EXISTS ITEM(
43             [receipt_id] INTEGER,
44             [item_id] INTEGER PRIMARY KEY AUTOINCREMENT,
45             [item_purchased] text,
46             [item_price] REAL,
47             CONSTRAINT fk_receipt_id
48             FOREIGN KEY(receipt_id) REFERENCES RECEIPTS(receipt_id))''')
49
50  #below table will be the one where the user will be able to see
51
52
53  #when adding the data just take the columns that exist and place it into the other tables
54
55  dbFin.commit()
56

```