

```
In [2]: import pandas as pd
import os
import sqlite3
os.chdir('/Users/Lenovo/Desktop/EBAC')
```

```
In [12]: data = pd.read_csv('Cientifico-de-Datos-M40-Customers.csv')
data.head()
```

Out[12]:

	CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country	PurchaseUSD
0	1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany	14861
1	2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constituci?n 2222	M?xico D.F.	5021	Mexico	9900
2	3	Antonio Moreno Taquer?a	Antonio Moreno	Mataderos 2312	M?xico D.F.	5023	Mexico	7735
3	4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK	10295
4	5	Berglunds snabbk?p	Christina Berglund	Berguvsv?gen 8	Lule?	S-958 22	Sweden	6755

```
In [22]: conn = sqlite3.connect('Clientes.db')
```

```
In [16]: #Estructura de control para manipular registros
conn.cursor()
```

```
Out[16]: <sqlite3.Cursor at 0x1a8102862c0>
```

```
In [20]: cur = conn.cursor()
```

```
In [18]: data.to_sql("Clientes", conn, if_exists = "replace", index = False)
```

```
Out[18]: 91
```

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In [24]: #Ejecutar una consulta
cur.execute("SELECT * FROM Clientes;")
```

```
Out[24]: <sqlite3.Cursor at 0x1a81031a140>
```

```
In [26]: conn.execute("SELECT * FROM Clientes LIMIT 5;").fetchall()
```

```
Out[26]: [(1,
            'Alfreds Futterkiste',
            'Maria Anders',
            'Obere Str. 57',
            'Berlin',
            '12209',
            'Germany',
            14861),
          (2,
            'Ana Trujillo Emparedados y helados',
            'Ana Trujillo',
            'Avda. de la Constituci?n 2222',
            'M?xico D.F.',
            '5021',
            'Mexico',
            9900),
          (3,
            'Antonio Moreno Taquer?a',
            'Antonio Moreno',
            'Mataderos 2312',
            'M?xico D.F.',
            '5023',
            'Mexico',
            7735),
          (4,
            'Around the Horn',
            'Thomas Hardy',
            '120 Hanover Sq. ',
            'London',
            'WA1 1DP',
            'UK',
            10295),
          (5,
            'Berglunds snabbk?p',
            'Christina Berglund',
            'Berguvsv?gen 8',
            'Lule?',
            'S-958 22',
            'Sweden',
            6755)]
```

```
In [28]: with open("Operaciones.sql", "w") as _file:
          for line in conn.iterdump():
              _file.write(f"{line}\n")
```

```
In [ ]:
```

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CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country	Phone
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	1 Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany	
2	2 Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constituci7n 2222	M7xico D.F.	5021	Mexico	
3	3 Antonio Moreno Taquer7a	Antonio Moreno	Mataderos 2312	M7xico D.F.	5023	Mexico	
4	4 Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK	
5	5 Berglunds snabbk7p	Christina Berglund	Berguvsv7gen 8	Lule7	8-958 22	Sweden	
6	6 Blauer See Delikatessen	Hanna Moos	Forsterstr. 57	Mannheim	68306	Germany	
7	7 Blondel p7re et fils	Fr7d7rique Citeaux	24, place Kl7ber	Strasbourg	67000	France	
8	8 B7lido Comidas preparadas	Mart7n Sommer	C/ Araquil, 67	Madrid	28023	Spain	
9	9 Bon app'	Laurence Lebihans	12, rue des Bouchers	Marseille	13008	France	
10	10 Bottom-Dollar Marketse	Elizabeth Lincoln	23 Tsawassen Blvd.	Tsawassen	T2F 0M4	Canada	
11	11 B's Beverages	Victoria Ashworth	Fauntleroy Circus	London	EC2 5NT	UK	
12	12 Cactus Comidas para llevar	Patricio Simpson	Cerrito 333	Buenos Aires	1010	Argentina	
13	13 Centro comercial Moctezuma	Francisco Chang	Sierras de Granada 9993	M7xico D.F.	5022	Mexico	
14	14 Chop-suey Chinese	Yang Wang	Hauptstr. 29	Bern	3012	Switzerland	
15	15 Com7rcio Mineiro	Pedro Afonso	Av. dos Lus7adas, 23	S7o Paulo	05432-043	Brazil	
16	16 Consolidated Holdings	Elizabeth Brown	Berkeley Gardens 12 Brewery	London	WX1 6LT	UK	
17	17 Drachenblut Delikatessend	Sven Ottlieb	Walserweg 21	Aachen	52066	Germany	
18	18 Du monde entier	Janine Labrune	67, rue des Cinquante Otages	Nantes	44000	France	
19	19 Eastern Connection	Ann Devon	35 King George	London	WX3 6FW	UK	
20	20 Ernst Handel	Roland Mendel	Kirchgasse 6	Graz	8010	Austria	
21	21 Familia Arquibaldo	Aria Cruz	Rua Or7s, 92	S7o Paulo	05442-030	Brazil	