

Task 2: Load Data

To import the data the SQLite is first changed to csv mode to ignore the headers on the csv file as the data is imported into the tables with the `-csv` flag.

```
C:\Users\mrakh\Desktop\Project 2P2\sqlite3.exe
SQLite version 3.40.0 2022-11-16 12:10:08
Enter ".help" for usage hints.
Connected to a transient in-memory database.
Use ".open FILENAME" to reopen on a persistent database.
Ar sqlite> .open CarRental.db
- sqlite> .mode csv
- sqlite> .import CUSTOMER.csv CUSTOMER
- sqlite> .import RATE.csv RATE
- sqlite> .import RENTAL.csv RENTAL
P sqlite> .import VEHICLE.csv VEHICLE
- sqlite>
- sqlite>
```

Total Records for CUSTOMER Table is **31**:

Table: CUSTOMER			
Filter in any column			
	CustID	Name	Phone
	Filter	Filter	Filter
1	201	A. Parks	(214) 555-0127
2	202	S. Patel	(849) 811-6298
3	203	A. Hernandez	(355) 572-5385
4	204	G. Carver	(753) 763-8656
5	205	Sh. Byers	(912) 925-5332
6	206	L. Lutz	(931) 966-1775
7	207	L. Bernal	(884) 727-0591
8	208	I. Whyte	(811) 979-7345
9	209	L. Lott	(954) 706-2219
10	210	G. Clarkson	(309) 625-1838
11	211	Sh. Dunlap	(604) 581-6642
12	212	H. Gallegos	(961) 265-8638
13	213	L. Perkins	(317) 996-3104
14	214	M. Beach	(481) 422-0282
15	215	C. Pearce	(599) 881-5189
16	216	A. Hess	(516) 570-6411
17	217	M. Lee	(369) 898-6162
18	218	R. Booker	(730) 784-6303
19	219	A. Crowther	(325) 783-4081
20	220	H. Mahoney	(212) 262-8829
21	221	J. Brown	(644) 756-0110

SQL 1	
1	SELECT COUNT(CustID) AS Total_Records
2	FROM CUSTOMER;
Total_Records	
1	31
Execution finished without errors. Result: 1 rows returned in 6ms At line 1: SELECT COUNT(CustID) AS Total_Records FROM CUSTOMER;	

Total Records for VEHICLE is **61-1= 60** (The first row of the table contains the Table Fields because of FOREIGN KEY):

Table: VEHICLE										Filter in any column
	VehicleID	Description	Year	Type	Category					
	Filter	Filter	Filter	Filter	Filter					
1	VehicleID	Description	Year	Type	Category					
2	19VDE1F3XEE414842	Acura ILX	2014	1	1					
3	1FDDE3FL6EDA29122	Ford E 350	2014	6	0					
4	1FDRF3B61FEA87469	Ford Super Duty Pickup	2015	5	0					
5	1FTNF1CF2EKE54305	Ford F Series Pickup	2014	5	0					
6	1G1JD5SB3E4240835	Chevrolet Optra	2014	1	0					
7	1GB3KZCG1EF117132	Chevrolet Silverado	2014	5	0					
8	1HGCR2E3XEA305302	Honda Accord	2014	2	0					
9	1N4AB7AP2EN855026	Nissan Sentra	2014	1	0					
10	1N6BA0E9EN516565	Nissan Titan	2014	5	0					
11	1N6BF0KM0EN101134	Nissan NV	2014	6	0					
12	1VWCH7A3XEC037969	Volkswagen Passat	2014	2	1					
13	2HGFB2F94FH501940	Honda Civic	2015	1	0					
14	2T3DFREV0FW317743	Toyota RAV4	2015	4	0					
15	3MZBM1L74EM109736	Mazda 3	2014	1	0					
16	3N1CE2CP0FL409472	Nissan Versa Note	2015	1	0					
17	3N1CN7APXEK444458	Nissan Versa	2014	1	0					
18	3VW2A7AU1FM012211	Volkswagen Golf	2015	1	0					

SQL 1	
1	SELECT COUNT(VehicleID) AS Total_Records
2	FROM VEHICLE;
	Total_Records
1	61
	Execution finished without errors. Result: 1 rows returned in 6ms At line 1: SELECT COUNT(VehicleID) AS Total_Records FROM VEHICLE;

Total Records for RENTAL Table is **23**:

Table: RENTAL									
	CustID	VehicleID	StartDate	OrderDate	RentalType	Qty	RentalDate	TotalAmount	PaymentDate
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	203	JM3KE4DY4F0441471	2019-09-09	2019-05-22	1	4	2019-09-13	460.0	2019-09-09
2	210	19VDE1F3XEE414842	2019-11-01	2019-10-28	7	2	2019-11-15	1200.0	NULL
3	210	JTHFF2C26F135BX45	2019-05-01	2019-04-15	7	1	2019-05-08	600.0	2019-05-08
4	210	JTHFF2C26F135BX45	2019-11-01	2019-10-28	7	2	2019-11-15	1200.0	NULL
5	210	WAUTFAFH0E0010613	2019-11-01	2019-10-28	7	2	2019-11-15	1200.0	NULL
6	210	WBA3A9G51ENN73366	2019-11-01	2019-10-28	7	2	2019-11-15	1200.0	NULL
7	210	WBA3B9C59EP458859	2019-11-01	2019-10-28	7	2	2019-11-15	1200.0	NULL
8	210	WDCGG0EB0EG188709	2019-11-01	2019-10-28	7	2	2019-11-15	1200.0	NULL
9	212	19VDE1F3XEE414842	2019-06-10	2019-04-15	7	3	2019-07-01	1800.0	2019-06-10
10	216	1N6BF0KM0EN101134	2019-08-02	2019-03-15	7	4	2019-08-30	2740.0	2019-08-02
11	216	1N6BF0KM0EN101134	2019-08-30	2019-03-15	1	2	2019-09-01	230.0	2019-08-02
12	221	19VDE1F3XEE414842	2019-07-01	2019-06-12	7	1	2019-07-08	600.0	2019-07-01
13	221	19VDE1F3XEE414842	2019-07-09	2019-06-12	1	2	2019-07-11	200.0	2019-07-01
14	221	19VDE1F3XEE414842	2020-01-01	2019-12-15	7	4	2020-01-29	2400.0	NULL
15	221	JTHFF2C26F135BX45	2020-01-01	2019-12-15	7	4	2020-01-29	2400.0	NULL
16	221	WAUTFAFH0E0010613	2019-07-01	2019-06-12	7	1	2019-07-08	600.0	2019-07-01
17	221	WAUTFAFH0E0010613	2019-07-09	2019-06-12	1	2	2019-07-11	200.0	2019-07-01
18	221	WAUTFAFH0E0010613	2020-01-01	2019-12-15	7	4	2020-01-29	2400.0	NULL
19	221	WBA3A9G51ENN73366	2020-01-01	2019-12-15	7	4	2020-01-29	2400.0	NULL
20	221	WBA3B9C59EP458859	2020-01-01	2019-12-15	7	4	2020-01-29	2400.0	NULL
21	221	WDCGG0EB0EG188709	2020-01-01	2019-12-15	7	4	2020-01-29	2400.0	NULL
22	229	19VDE1F3XEE414842	2019-05-06	2019-04-12	1	4	2019-05-10	400.0	2019-05-06
23	229	WAUTFAFH0E0010613	2019-05-06	2019-04-12	1	4	2019-05-10	400.0	2019-05-06

SQL 1	
1	SELECT COUNT(CustID) AS Total_Records
2	FROM RENTAL;
Total_Records	
1	23
Execution finished without errors. Result: 1 rows returned in 7ms At line 1: SELECT COUNT(CustID) AS Total_Records FROM RENTAL;	

Total Records for RATE Table is **11-1 = 10** (The first row of the table contains the Table Fields because of FOREIGN KEY):

Table: RATE				
	Type	Category	Weekly	Daily
	Filter	Filter	Filter	Filter
1	Type	Category	Weekly	Daily
2	1	0	480	80
3	1	1	600	100
4	2	0	530	90
5	2	1	660	110
6	3	0	600	100
7	3	1	710	120
8	4	0	685	115
9	4	1	800	135
10	5	0	780	130
11	6	0	685	115

SQL 1	
1	SELECT COUNT(Type) AS Total_Records
2	FROM RATE;
Total_Records	
1	11
Execution finished without errors. Result: 1 rows returned in 6ms At line 1: SELECT COUNT(Type) AS Total_Records FROM RATE;	