

	department	dept_name	Department Spend	
1	1.0	PACKAGED GROCERY	6471808.91999993	
2	2.0	PRODUCE	6122432.15999998	
3	4.0	REF GROCERY	3411736.34999997	
4	8.0	DELI	3176658.34999999	
5	13.0	MEAT	2668381.78999999	
6	3.0	BULK	2379609.36	
7	10.0	SUPPLEMENTS	1661098.78	
8	11.0	PERSONAL CARE	1323706.6	
9	6.0	FROZEN	1316446.92	
10	5.0	CHEESE	947260.28	
11	14.0	JUICE BAR	606482.2900000001	
12	9.0	GEN MERCH	515464.51	
13	16.0	FISH&SEAFOOD	482766.32	
14	7.0	BREAD	329444.77	
15	12.0	HERBS&SPICES	248731.63	
16	18.0	FLOWERS	124322.55	

2.2 Execution finished without errors.

## 2.3

	year	COUNT(DISTINCT card_no)	total_spend
1	2017	9189	2330483.76
2	2016	16873	26966508.27
3	2015	16956	31861172.79
4	2014	16365	31945442.06
5	2013	16213	32438586.53
6	2012	16006	32677950.48
7	2011	15547	30807560.37
8	2010	15225	29424192.8

	card_no	Num Days	Total Spend	
1	3	31	45960883.49	
2	12539	31	4969692.6	
3	10499	31	2619605.29	
4	14140	31	2327636.58	
5	20074	31	1625360.81	
6	14987	31	1247781.89	
7	10504	31	445767.29	
8	21517	31	368151.79	
9	19750	31	232155.44	
10	23170	31	189759.73	
11	13202	31	166275.59	
12	15876	31	163907.68	
13	20429	31	154925.79	
14	15967	31	146123.76	
15	18643	31	143175.48	
16	25305	31	135211.16	
Execution finished without errors. Result: 27107 rows returned in 1743ms At line 1: SELECT card_no, COUNT (DISTINCT SUBSTR(owner_spend_date.date,9,10)) AS "Num Days", SUM(spend) AS "Total Spend" FROM owner_spend_date				

2.6

## 2.7

	Department Number	Department Name	Total Department Spend	Total Items Purchased by Department	Total Transactions
1	1	PACKAGED GROCERY	44872269.0	14377635	1164654
2	2	PRODUCE	42487000.0	14356425	1017750
3	3	BULK	16958648.0	3461288	398725
4	4	REF GROCERY	22902199.0	7038337	780646
5	5	CHEESE	6499251.0	1905174	172624
6	6	FROZEN	9647408.0	2339524	179054
7	7	BREAD	2405513.0	706280	55109
8	8	DELI	18536881.0	4520489	674677
9	9	GEN MERCH	3664675.0	649343	48139
10	10	SUPPLEMENTS	12378403.0	817797	39816
11	11	PERSONAL CARE	9387619.0	1237840	76087
12	12	HERBS&SPICES	1668575.0	711388	42081
13	13	MEAT	16790094.0	2474242	252598
14	14	JUICE BAR	3108752.0	791953	82894
15	16	FISH&SEAFOOD	3379145.0	394224	21988

## 2.9

	Days	Average Total Days per Owner	Total Spend	Average Total Spend per Owner	Average Total Spend per Owner per Day
1		110	110164796.45	7135.48781980698	64.5259670859266
2		183	39668903.02	8333.80315546218	45.4424582220247
3		247	18481598.3	9936.34317204301	40.1665601011901

  

	Area	Number of Owners	Total Number of Owner-Days	Average Total Days per Owner	Total Spend	Average Total Spend per Owner
1	Other	15439	1707294	110	110164796.45	7135.48781980698
2	Adjacent	4760	872948	183	39668903.02	8333.80315546218
3	Wedge	1860	460124	247	18481598.3	9936.34317204301

## 2.10

	card_no	Num Days	Total Spend	Average Daily Spend	
1	3	31	45960883.49	17814.2959263566	
2	12539	31	4969692.6	1926.98433501357	
3	10499	31	2619605.29	1015.74458704924	
4	51472	7	7841.33	980.16625	
5	14140	31	2327636.58	902.534540519581	
6	50033	5	3658.78	731.756	
7	52427	1	647.59	647.59	
8	20074	31	1625360.81	630.229084916634	
9	41579	1	505.51	505.51	
10	14987	31	1247781.89	484.011594259116	
11	50028	17	15065.71	470.8034375	
12	23564	20	14711.15	445.792424242424	
13	16712	18	13418.69	432.860967741935	
14	43452	3	1273.76	424.586666666667	
15	51483	3	1206.64	402.213333333333	
16	12333	31	18910.92	400.648034188034	
Execution finished without errors. Result: 27107 rows returned in 1799ms At line 1: SELECT card_no, COUNT (DISTINCT SUBSTR(owner_spend_date,date,9,10)) AS "Num Days", SUM(spend) AS "Total Spend", AVG(spend) AS "Average Daily Spend"					