

3.1

```
Execution finished without errors.  
Result: query executed successfully. Took 17600ms  
At line 2:  
CREATE TEMPORARY TABLE owner_year_month AS  
SELECT
```

3.2

	year	month	total_spend
1	2015	05	2934261.76000002
2	2012	04	2887161.14000001
3	2014	05	2885980.68000002
4	2012	05	2846709.99000002
5	2013	03	2845232.38000001

3.3

	month	avg_spend
1	01	232.02
2	02	212.3
3	03	222.95
4	04	224.73
5	05	234.33
6	06	215.97

3.4

	zip	total_spend
1	55405	18481598.3
2	55408	16844354.55
3	55403	10303084.8

3.5

	month	avg_spend_55405	avg_spend_55305	avg_spend_55116
1	01	232.02	168.7	192.32
2	02	212.3	154.76	187.03
3	03	222.95	175.86	164.54
4	04	224.73	155.54	166.02
5	05	234.33	161.54	166.72
6	06	215.97	156.12	151.95

3.6

	owners	years	months	avg_spend	avg_items	avg_item_price
1	27107	8	12	270.07	70.3	3.84

3.7

	owners	spend_k
1	2735	1971.2

3.8

Q1:

	card_no	total_spend	avg_spend_per_transaction	number_of_shopping_dates	total_trans	last_visit	last_spend
1	18736	32863.86	55.7014576271186	590	590	2017-01-24	115.99

Q2:

	card_no	total_spend	avg_spend_per_transaction	number_of_shopping_dates	total_trans	last_visit
1	18736	32863.86	55.7014576271186	590	590	2017-01-24

3.9

	card_no	total_spend	avg_spend_per_transaction	number_of_shopping_dates	total_trans	last_visit	last_spend
1	24944	54964.79	198.428844765343	277	277	2015-12-15	91.6
2	22257	52571.02	136.903697916667	384	384	2016-01-02	35.97
3	24073	37840.95	135.14625	280	280	2016-10-23	34.23
4	21141	29757.3	101.560750853242	293	293	2016-10-21	17.56
5	12090	36323.46	104.37775862069	348	348	2016-10-13	21.62
6	50054	51054.4499999998	99.1348543689317	515	515	2016-10-19	16.43

3.10

	card_no	total_spend	avg_spend_per_transaction	number_of_shopping_dates	total_trans	last_visit	last_spend	owner_zip_code	
1	15849	41191.59	305.122888888889	135	135	2016-09-09	27.07	55417	
2	42333	46910.92	400.948034188034	117	117	2013-09-22	166.8	55345	
3	40916	42048.91	400.46580952381	105	105	2013-05-09	172.03	55406	
4	22643	36283.89	187.030360824742	194	194	2016-05-02	13.46	55419	
5	47865	39596.63	207.31219895288	191	191	2014-08-07	35.86	55419	
6	36591	41110.76	214.118541666667	192	192	2012-12-02	53.64	33487	