

1. There were 165,481 items sold in WI between Jan 1, 2000 and Jan 7, 2000

```
select count(item_quantity)
from item_scan its,
     store_information si
where its.store_nbr = si.store_nbr and
its.transaction_date between '20000101' and '20000107' and
si.state = 'WI';
```

Item_Quantity
165481

Timestamp	Source	User ID	Destination	Result	Row Count	Note	SQL Statement	SQL Type	Length	Statements	Statement Type	Elapsed Time	DBMS Time	Fetch Time	Parameters	Sequence
2020...663	Ne...a	ES7...52	Terad...ewer	Exe...	1		select c...01' a...	TER...TA	183	1	Select ...tement	00:00:00.118	00:00:00.113	00:00...005		2
2020...154	Ne...a	ES7...52	Terad...ewer	Exe...	1		select c...n '20...	TER...TA	193	1	Select ...tement	00:00:00.176	00:00:00.156	00:00...020		1

2. There were 5,060 different members visited stores in WI between Jan 1, 2000 and Jan 7, 2000

```
select count(distinct sv.membership_nbr)
from store_visits sv,
     store_information si
where sv.store_nbr = si.store_nbr and
transaction_date between '20000101' and '20000107' and
si.state = 'WI';
```

Membership_Nbr
5060

Timestamp	Source	User ID	Destination	Result	Row Count	Note	SQL Statement	SQL Type	Length	Statements	Statement Type	Elapsed Time	DBMS Time	Fetch Time	Parameters	Sequence
2020...947	Ne...a	ES7...52	Terad...ewer	Exe...	1		select ...etwe...	TER...TA	199	1	Select ...tement	00:00:00.141	00:00:00.136	00:00...005		6
2020...668	Ne...a	ES7...52		Exe...	0		select c...een '...	TER...TA	195	1	Select ...tement	00:00:00.000	00:00:00.000	00:00...000		5
2020...297	Ne...a	ES7...52		Exe...	0		select c... '200...	TER...TA	192	1	Select ...tement	00:00:00.043	00:00:00.000	00:00...043		4
2020...879	Ne...a	ES7...52	Terad...ewer	Exe...	7		select ...101'...	TER...TA	186	1	Select ...tement	00:00:00.068	00:00:00.068	00:00...000		3
2020...663	Ne...a	ES7...52	Terad...ewer	Exe...	1		select c...01' a...	TER...TA	183	1	Select ...tement	00:00:00.118	00:00:00.113	00:00...005		2
2020...154	Ne...a	ES7...52	Terad...ewer	Exe...	1		select c...n '20...	TER...TA	193	1	Select ...tement	00:00:00.176	00:00:00.156	00:00...020		1

3. There were 17 different members who bought an item with a 'CLEAR' color in Texas and spent more than \$50

```
select count( distinct sv.membership_nbr)
from item_scan its
join store_information si
on si.store_nbr = its.store_nbr
join store_visits sv
on its.visit_nbr = sv.visit_nbr
join item_desc id
on id.item_nbr = its.item_nbr
where si.state = 'TX'and
id.color_desc = 'CLEAR'and
its.total_scan_amount > 50;
```

Teradata Result Set Viewer

Membership_Nbr
17

Teradata SQL History

	Timestamp	Source	User ID	Destination	Result	Row Count	Note	SQL Statement	SQL Type	Length	Statements	Statement Type	Elapsed Time	DBMS Time	Fetch Time	Parameters	Sequence
1	2020...727	Ne...a	ES7...52	Terad...ewer	Exe...	1		select c... its...	TER...TA	303	1	Select ...tement	00:00:00.117	00:00:00.107	00:00...010		29
2	2020...468	Ne...a	ES7...52		E...	0		select c...its.v...	TER...TA	302	1	Select ...tement	00:00:00.020	00:00:00.000	00:00...020		28
3	2020...252	Ne...a	ES7...52		E...	0		select ...re_n...	TER...TA	391	1	Select ...tement	00:00:00.009	00:00:00.000	00:00...009		27
4	2020...625	Ne...a	ES7...52		E...	0		select ...re_n...	TER...TA	391	1	Select ...tement	00:00:00.010	00:00:00.000	00:00...010		26
5	2020...225	Ne...a	ES7...52		E...	0		select ...re n...	TER...TA	405	1	Select ...tement	00:00:00.010	00:00:00.000	00:00...010		25

SQL Statement

4. There was 1 store that sold hamburger buns on Jan 5, 2000 to a member with member status code of A

```
select count(distinct its.store_nbr)
from item_scan its, store_visits sv, member_index mi, item_desc id
where its.visit_nbr = sv.visit_nbr
and mi.membership_nbr = sv. membership_nbr
and its.item_nbr = id.item_nbr
and mi.member_type = 'A'
and its.transaction_date = '20000105'
and id.primary_desc = 'HAMBURGER BUNS';
```

Teradata Result Set Viewer

Store_Nbr
1

Teradata SQL History

	Timestamp	Source	User ID	Destination	Result	Row Count	Note	SQL Statement	SQL Type	Length	Statements	Statement Type	Elapsed Time	DBMS Time	Fetch Time	Parameters	Sequence
1	2020...146	Ne...a	ES7...52	Terad...ewer	Exe...	1		select...emb...	TER...TA	315	1	Select ...tement	00:00:00.196	00:00:00.191	00:00...005		33
2	2020...056	Ne...a	ES7...52	Terad...ewer	Exe...	1		select...emb...	TER...TA	315	1	Select ...tement	00:00:00.190	00:00:00.185	00:00...005		32
3	2020...874	Ne...a	ES7...52	Terad...ewer	Exe...	1		select ...mem...	TER...TA	316	1	Select ...tement	00:00:00.191	00:00:00.186	00:00...005		31
4	2020...955	Ne...a	ES7...52		E...	0		select ...mem...	TER...TA	315	1	Select ...tement	00:00:00.049	00:00:00.000	00:00...049		30
5	2020...727	Ne...a	ES7...52	Terad...ewer	Exe...	1		select c... its...	TER...TA	303	1	Select ...tement	00:00:00.117	00:00:00.107	00:00...010		29

SQL Statement

ery(ies) Execution Completed. 1 statement processed. [1 rows returned] Elapsed time = 00:00:00.196 Writable Insert 8 : 38

5.

a) There were 377,746 unique members who shopped in Jan, 2000

```
select count(distinct membership_nbr)
from store_visits
where transaction_date between '20000101' and '20000131';
```

Teradata Result Set Viewer

	Membership_Nbr
1	377746

Teradata SQL History

	Timestamp	Source	User ID	Destination	Result	Row Count	Note	SQL Statement	SQL Type	Length	Statements	Statement Type	Elapsed Time	DBMS Time	Fetch Time	Parameters	Sequence
1	2020-...144	Ne...a	ES7...52	Terad...ewer	Exe...	1		select ...00131';	TER...TA	113	1	Select ...tement	00:00:00.098	00:00:00.093	00:00...005		34
2	2020-...146	Ne...a	ES7...52	Terad...ewer	Exe...	1		select_emb...	TER...TA	315	1	Select ...tement	00:00:00.196	00:00:00.191	00:00...005		33
3	2020-...056	Ne...a	ES7...52	Terad...ewer	Exe...	1		select_emb...	TER...TA	315	1	Select ...tement	00:00:00.190	00:00:00.185	00:00...005		32
4	2020-...874	Ne...a	ES7...52	Terad...ewer	Exe...	1		select ...mem...	TER...TA	316	1	Select ...tement	00:00:00.191	00:00:00.186	00:00...005		31
5	2020-...955	Ne...a	ES7...52	Terad...ewer	Exe...	0		select ...mem...	TER...TA	315	1	Select ...tement	00:00:00.049	00:00:00.000	00:00...049		30

SQL Statement

Query Execution Completed. 1 statement processed. [1 rows returned] Elapsed time = 00:00:00.098

b) There were 916 unique members who shopped in Store 3 on Jan 3, 2000

```
select count(distinct membership_nbr)
from store_visits
where transaction_date = '20000103'
and store_nbr = '3';
```

Teradata Result Set Viewer

	Membership_Nbr
1	916

Teradata SQL History

	Timestamp	Source	User ID	Destination	Result	Row Count	Note	SQL Statement	SQL Type	Length	Statements	Statement Type	Elapsed Time	DBMS Time	Fetch Time	Parameters	Sequence
1	2020-...244	Ne...a	ES7...52	Terad...ewer	Exe...	1		select c... = '3';	TER...TA	112	1	Select ...tement	00:00:00.112	00:00:00.112	00:00...000		35
2	2020-...144	Ne...a	ES7...52	Terad...ewer	Exe...	1		select ...00131';	TER...TA	113	1	Select ...tement	00:00:00.098	00:00:00.093	00:00...005		34
3	2020-...146	Ne...a	ES7...52	Terad...ewer	Exe...	1		select_emb...	TER...TA	315	1	Select ...tement	00:00:00.196	00:00:00.191	00:00...005		33
4	2020-...056	Ne...a	ES7...52	Terad...ewer	Exe...	1		select_emb...	TER...TA	315	1	Select ...tement	00:00:00.190	00:00:00.185	00:00...005		32
5	2020-...874	Ne...a	ES7...52	Terad...ewer	Exe...	1		select ...mem...	TER...TA	316	1	Select ...tement	00:00:00.191	00:00:00.186	00:00...005		31

SQL Statement

Query Execution Completed. 1 statement processed. [1 rows returned] Elapsed time = 00:00:00.112

6. There were 5 days

```
select distinct(its.transaction_date)
from item_scan its, item_desc id, store_information si
where its.item_nbr = id.item_nbr
and its.store_nbr = si.store_nbr
and si.state = 'WI'
and id.primary_desc = '2 ALARM CHILI';
```

Teradata Result Set Viewer

transaction_date
2000-01-24
2000-01-28
2000-01-22
2000-01-29

Teradata SQL History

Timestamp	Source	User ID	Destination	Result	Row Count	Note	SQL Statement	SQL Type	Length	Statements	Statement Type	Elapsed Time	DBMS Time	Fetch Time	Parameters	Sequence
2020...867	Ne...a	ES7...52	Terad...ewer	Exe...	5		select d... sis...	TER...TA	217	1	Select ...tement	00:00:00.132	00:00:00.132	00:00...000		38
2020...873	Ne...a	ES7...52	Terad...ewer	Exe...	30		select d... sis...	TER...TA	179	1	Select ...tement	00:00:00.161	00:00:00.156	00:00...005		37
2020...827	Ne...a	ES7...52	Terad...ewer	Exe...	0		select di... sist...	TER...TA	178	1	Select ...tement	00:00:00.029	00:00:00.000	00:00...029		36
2020...244	Ne...a	ES7...52	Terad...ewer	Exe...	1		select c... = '3';	TER...TA	112	1	Select ...tement	00:00:00.112	00:00:00.112	00:00...000		35
2020...144	Ne...a	ES7...52	Terad...ewer	Exe...	1		select ...00131';	TER...TA	113	1	Select ...tement	00:00:00.098	00:00:00.093	00:00...005		34

SQL Statement

invied Execution Completed. 1 statement processed. 15 rows returned! Planned time = 00:00:00.132

Writable Insert 6:37

7. Member 359905613 had the highest purchase on Jan 3, 2000

```
select sv.membership_nbr, id.primary_desc, its.unit_retail_amount
from store_visits sv, member_index mi, item_scan its, item_desc id, store_information si
where id.item_nbr = its.item_nbr
and its.visit_nbr = sv.visit_nbr
and sv.membership_nbr = mi.membership_nbr
and sv.store_nbr = si.store_nbr
and si.state = 'WI'
and sv.transaction_date = '20000103'
order by its.unit_retail_amount desc;
```

Teradata Result Set Viewer

Membership_Nbr	Primary_Desc	Unit_Retail_Amo...
359905613	433MHZ K6-2,64MB	1214.91
21915140	CELRON 500MHZ, 64MB	1114.98
744045677	CELRON 500MHZ, 64MB	1114.98
755142709	PRESSURE WASHER	1014.00

Teradata SQL History

Timestamp	Source	User ID	Destination	Result	Row Count	Note	SQL Statement	SQL Type	Length	Statements	Statement Type	Elapsed Time	DBMS Time	Fetch Time	Parameters	Sequence
2020...155	Ne...a	ES7...52	Terad...ewer	Exe...	4178		select ...atio...	TER...TA	389	1	Select ...tement	00:00:03.916	00:00:00.142	00:00...774		39
2020...867	Ne...a	ES7...52	Terad...ewer	Exe...	5		select d... sis...	TER...TA	217	1	Select ...tement	00:00:00.132	00:00:00.132	00:00...000		38
2020...873	Ne...a	ES7...52	Terad...ewer	Exe...	30		select d... sis...	TER...TA	179	1	Select ...tement	00:00:00.161	00:00:00.156	00:00...005		37
2020...827	Ne...a	ES7...52	Terad...ewer	Exe...	0		select di... sist...	TER...TA	178	1	Select ...tement	00:00:00.029	00:00:00.000	00:00...029		36
2020...244	Ne...a	ES7...52	Terad...ewer	Exe...	1		select c... = '3';	TER...TA	112	1	Select ...tement	00:00:00.112	00:00:00.112	00:00...000		35

SQL Statement

ry Canceled during database processing

Writable Insert 9:38