Tpcc=# select relname, n\_live\_tup from pg\_stat\_user\_tables;

relname | n\_live\_tup

------------+------------

history | 30000

order\_line | 285199

item | 100000

delivery | 10

stock | 100000

warehouse | 1

customer | 30000

new\_order | 9023

ORDER | 30023

district | 10

\"ORDER\"

# check 1 Failed

select W\_YTD, sum(D\_YTD) from WAREHOUSE, DISTRICT

where W\_ID=D\_W\_ID

group by W\_ID, W\_YTD

order by W\_ID

;

Tpcc=# select W\_YTD, sum(D\_YTD) from WAREHOUSE, DISTRICT

Tpcc-# where W\_ID=D\_W\_ID

Tpcc-# group by W\_ID

Tpcc-# order by W\_ID

Tpcc-# ;

w\_ytd | sum

-----------+-----------

625888.87 | 373043.09

# Check 2 Passed

select D\_ID, D\_NEXT\_O\_ID, max(O\_ID), max(NO\_O\_ID)

from DISTRICT, "ORDER", NEW\_ORDER

where O\_D\_ID=D\_ID and O\_ID=NO\_O\_ID and NO\_D\_ID=D\_ID and O\_D\_ID=NO\_D\_ID

group by D\_ID, D\_NEXT\_O\_ID

order by D\_ID, D\_NEXT\_O\_ID

;

|  |  |  |  |
| --- | --- | --- | --- |
| d\_id | d\_next\_o\_id | max | max |
| 1 | 3009 | 3008 | 3008 |
| 2 | 3003 | 3002 | 3002 |
| 3 | 3003 | 3002 | 3002 |
| 4 | 3004 | 3003 | 3003 |
| 5 | 3003 | 3002 | 3002 |
| 6 | 3004 | 3003 | 3003 |
| 7 | 3001 | 3000 | 3000 |
| 8 | 3003 | 3002 | 3002 |
| 9 | 3002 | 3001 | 3001 |
| 10 | 3001 | 3000 | 3000 |

# Check 3 Passed

Tpcc=# select NO\_D\_ID, count(NO\_O\_ID), (max(NO\_O\_ID) - min(NO\_O\_ID) + 1) from NEW\_ORDER

Tpcc-# group by NO\_D\_ID

Tpcc-# order by NO\_D\_ID;

no\_d\_id | count | ?column?

---------+-------+----------

1 | 908 | 908

2 | 902 | 902

3 | 902 | 902

4 | 903 | 903

5 | 902 | 902

6 | 903 | 903

7 | 900 | 900

8 | 902 | 902

9 | 901 | 901

10 | 900 | 900

# check 4 Failed

Tpcc=# select sum(O\_OL\_CNT),count(OL\_O\_ID), OL\_D\_ID

Tpcc-# from "ORDER", ORDER\_LINE

Tpcc-# where (O\_D\_ID = OL\_D\_ID)

Tpcc-# GROUP BY OL\_D\_ID

Tpcc-# ORDER by OL\_D\_ID

Tpcc-# ;

|  |  |  |
| --- | --- | --- |
| sum | count | ol\_d\_id |
| -----------+----------+--------- |  |  |
| 687471336 | 85493376 | 1 |
| 703363267 | 86568674 | 2 |
| 689124634 | 85659068 | 3 |
| 690079070 | 85579494 | 4 |
| 684995592 | 85710102 | 5 |
| 694687050 | 85375290 | 6 |
| 686018281 | 85713000 | 7 |
| 683671520 | 85316840 | 8 |
| 694063446 | 85567513 | 9 |
| 693720161 | 85269000 | 10 |

# check 5 Passed

Tpcc=# select O\_CARRIER\_ID

Tpcc-# from "ORDER" where O\_ID NOT IN(

Tpcc(# select O\_ID

Tpcc(# from "ORDER", NEW\_ORDER

Tpcc(# where O\_CARRIER\_ID IS NULL

Tpcc(# and O\_D\_ID=NO\_D\_ID and O\_ID=NO\_O\_ID) and

Tpcc-# O\_CARRIER\_ID IS NULL

Tpcc-# ;

o\_carrier\_id

--------------

(0 rows)

# check 6 Failed

select OL\_D\_ID, count(OL\_O\_ID), SUM(O\_OL\_CNT)

from ORDER\_LINE, "ORDER"

where OL\_D\_ID=O\_D\_ID and O\_ID=OL\_O\_ID

group by OL\_D\_ID

order by OL\_D\_ID;

ol\_d\_id | count | sum

---------+-------+--------

1 | 28422 | 236482

2 | 28837 | 241382

3 | 28534 | 236012

4 | 28498 | 237942

5 | 28551 | 234776

6 | 28430 | 238962

7 | 28571 | 236390

8 | 28420 | 234838

9 | 28513 | 240163

10 | 28423 | 237675

# Check 7 Passed

Tpcc=# select COUNT(OL\_O\_ID)

Tpcc-# from ORDER\_LINE, "ORDER"

Tpcc-# where (OL\_DELIVERY\_D IS NULL and O\_CARRIER\_ID IS NOT NULL) and (O\_D\_ID=OL\_D\_ID and OL\_O\_ID=O\_ID)

Tpcc-# group by OL\_D\_ID

Tpcc-# ;

count

-------

(0 rows)

# check 8 failed

Tpcc=# select W\_YTD, SUM(H\_AMOUNT)

Tpcc-# from WAREHOUSE, HISTORY where (W\_ID = H\_W\_ID)

Tpcc-# group by W\_YTD

Tpcc-# ;

w\_ytd | sum

-----------+-----------

625888.87 | 300000.00

# check 9 failed

select D\_ID, D\_YTD, SUM(H\_AMOUNT) from DISTRICT, HISTORY

where D\_ID=H\_D\_ID

group by D\_ID, D\_YTD

order by D\_ID

;

d\_id | d\_ytd | sum

------+----------+----------

1 | 50185.90 | 30000.00

2 | 52273.03 | 30000.00

3 | 50712.95 | 30000.00

4 | 33786.34 | 30000.00

5 | 27409.26 | 30000.00

6 | 38496.64 | 30000.00

7 | 43470.17 | 30000.00

8 | 40322.85 | 30000.00

9 | 33385.95 | 30000.00

10 | 3000.00 | 30000.00

# check 10 failed

Tpcc=# select C\_ID, C\_BALANCE, SUM(OL\_AMOUNT)AS SUM\_OL\_AMNT, SUM(H\_AMOUNT)AS SUM\_H\_AMNT

Tpcc-# from CUSTOMER, HISTORY, ORDER\_LINE, "ORDER"

Tpcc-# where (C\_D\_ID=H\_C\_D\_ID and C\_ID = H\_C\_ID

Tpcc(# and OL\_D\_ID=O\_D\_ID and OL\_O\_ID = O\_ID

Tpcc(# and O\_D\_ID = C\_D\_ID and O\_C\_ID = C\_ID)

Tpcc-# and (OL\_DELIVERY\_D IS NOT NULL)

Tpcc-# group by C\_ID, C\_BALANCE

Tpcc-# ;

c\_id | c\_balance | sum\_ol\_amnt | sum\_h\_amnt

------+-----------+-------------+------------

1682 | -10.00 | 176118.57 | 890.00

1494 | -10.00 | 237961.75 | 1050.00

284 | -10.00 | 52430.45 | 1140.00

1599 | -10.00 | 101197.10 | 910.00

1323 | -10.00 | 28655.27 | 880.00

2574 | -10.00 | 292728.70 | 940.00

1292 | -10.00 | 153378.01 | 1030.00

1522 | -10.00 | 71905.06 | 960.00

1045 | -10.00 | 132998.97 | 860.00

799 | -10.00 | 258082.26 | 1110.00

1737 | -10.00 | 216121.68 | 880.00

738 | -10.00 | 67568.27 | 1180.00

2183 | -10.00 | 144816.40 | 840.00

2612 | -10.00 | 0.00 | 760.00

2726 | -10.00 | 159908.20 | 990.00

2579 | -10.00 | 265912.80 | 1030.00

1933 | -10.00 | 38631.85 | 1010.00

282 | -10.00 | 239248.27 | 1020.00

1209 | -10.00 | 46067.45 | 980.00

159 | -10.00 | 0.00 | 890.00

2604 | -10.00 | 140013.94 | 940.00

572 | -10.00 | 144852.29 | 820.00

2106 | -10.00 | 0.00 | 1000.00

2478 | -10.00 | 0.00 | 860.00

2402 | -10.00 | 154556.75 | 940.00

1580 | -10.00 | 97687.04 | 960.00

614 | -10.00 | 184815.73 | 1120.00

2836 | -10.00 | 132828.22 | 910.00

1765 | -10.00 | 73332.49 | 1130.00

2447 | -10.00 | 192723.47 | 1040.00

452 | -10.00 | 257552.93 | 1120.00

902 | -10.00 | 61117.09 | 920.00

2801 | -10.00 | 162741.40 | 1050.00

197 | -10.00 | 332958.82 | 1060.00

2171 | -10.00 | 32876.33 | 950.00

2501 | -10.00 | 84508.98 | 920.00

1088 | -10.00 | 321171.20 | 1150.00

2796 | -10.00 | 120151.17 | 850.00

3 | -10.00 | 70167.39 | 880.00

2778 | -10.00 | 82541.12 | 780.00

1834 | -10.00 | 242111.62 | 1020.00

259 | -10.00 | 63558.56 | 940.00

139 | -10.00 | 239850.58 | 1010.00

991 | -10.00 | 215180.50 | 870.00

823 | -10.00 | 139724.53 | 1030.00

1935 | -10.00 | 153683.40 | 1010.00

329 | -10.00 | 55886.44 | 980.00

749 | -10.00 | 142259.25 | 970.00

2828 | -10.00 | 158564.73 | 1110.00

2362 | -10.00 | 258524.32 | 1030.00

2481 | -10.00 | 208836.58 | 930.00

2098 | -10.00 | 158329.15 | 950.00

1565 | -10.00 | 220600.46 | 920.00

2799 | -10.00 | 84804.66 | 1000.00

1989 | -10.00 | 276187.87 | 890.00

564 | -10.00 | 159714.98 | 880.00

55 | -10.00 | 118240.22 | 930.00

1249 | -10.00 | 151810.56 | 900.00

-- More --

# check 11 passed

Tpcc=# select O\_D\_ID ,count(O\_ID) , count(NO\_O\_ID)

Tpcc-# from "ORDER", NEW\_ORDER

Tpcc-# where O\_D\_ID=NO\_D\_ID and NO\_O\_ID=O\_ID

Tpcc-# group by O\_D\_ID

Tpcc-# order by O\_D\_ID

Tpcc-# ;

o\_d\_id | count | count

--------+-------+-------

1 | 908 | 908

2 | 902 | 902

3 | 902 | 902

4 | 903 | 903

5 | 902 | 902

6 | 903 | 903

7 | 900 | 900

8 | 902 | 902

9 | 901 | 901

10 | 900 | 900

# check 12 Failed

select C\_ID,sum(OL\_AMOUNT) AS SumOfOL\_AMOUNT, (C\_BALANCE + C\_YTD\_PAYMENT) AS C\_BALANCE\_C\_YTD\_PAYM

from ORDER\_LINE, CUSTOMER, "ORDER"

where C\_D\_ID =O\_D\_ID and O\_C\_ID =C\_ID and OL\_O\_ID=O\_ID and O\_D\_ID=OL\_D\_ID and C\_ID=555 and (OL\_DELIVERY\_D IS NOT NULL)

group by C\_ID,(C\_BALANCE+ C\_YTD\_PAYMENT)

;

|  |  |  |
| --- | --- | --- |
| c\_id | sumofol\_amount | c\_balance\_c\_ytd\_paym |
| 555 | 40840.92 | 0.00 |