

EXPLAIN QUERY PLAN REPORT on 5_overgroup

generated at 2025-09-15T18:59:24

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```

--- AGGREGATION --- Partitioning with row_number function
with suppl(prefix, header1, header2, suffix, row_delimiter) as (select
    substr(''|s.prefix,1,length('goods_id'))||'|'|'|'|
    , " goods_id| customer_id| goods_type| goods_weight"
    , " goods_id| customer_id| goods_type| goods_weight| row number on goods_weight"
    , substr(''|s.suffix,1,15)
    , "-----")
---- source data
select s.row_delimiter from suppl s
union all
select 'Input q4 DATA ==>'
union all
select s.header1 from suppl s
union all
select substr(goods_id||s.suffix,1,length('goods_id'))||'|'|'|'|
    substr(customer_id||s.suffix,1,length('customer_id'))||'|'|'|'|
    substr(goods_type||s.suffix,1,length('goods_type'))||'|'|'|'|
    substr(goods_weight||s.suffix,1,length('goods_weight'))
from CUSTGOODS, suppl s
union all
----- selected data
select s.row_delimiter from suppl s
union all
select 'Result q4 DATA ==>'
union all
select s.header2 from suppl s
union all
select (s.prefix||' partioned with goods_type ') from suppl s
union all
select substr(goods_id||s.suffix,1,length('goods_id'))||'|'|'|'|
    substr(customer_id||s.suffix,1,length('customer_id'))||'|'|'|'|
    substr(goods_type||s.suffix,1,length('goods_type'))||'|'|'|'|
    substr(goods_weight||s.suffix,1,length('goods_weight'))||'|'|'|'|
    (ROW_NUMBER()
    OVER (partition by
    goods_type
    order BY goods_weight)) rn
FROM CUSTGOODS, suppl s
union all select "---- generated at " || strftime( datetime(current_timestamp, 'localtime'))

```



EXPLAIN QUERY PLAN REPORT on 5_overgroup

2. Explain query plan generated by <EXPLAIN QUERY PLAN sql statement>

2.1. Plain report

step	id	parent	unused	detail
1	1	0	0	COMPOUND QUERY
2	2	1	0	LEFT-MOST SUBQUERY
3	5	2	0	MATERIALIZE suppl
4	7	5	0	SCAN CONSTANT ROW
5	29	2	16	SCAN s
6	34	1	0	UNION ALL
7	35	34	0	SCAN CONSTANT ROW
8	38	1	0	UNION ALL
9	41	38	216	SCAN s
10	46	1	0	UNION ALL
11	50	46	216	SCAN CUSTGOODS
12	52	46	216	SCAN s
13	91	1	0	UNION ALL
14	94	91	216	SCAN s
15	99	1	0	UNION ALL
16	100	99	0	SCAN CONSTANT ROW
17	103	1	0	UNION ALL
18	106	103	216	SCAN s
19	111	1	0	UNION ALL
20	114	111	216	SCAN s
21	120	1	0	UNION ALL
22	123	120	0	CO-ROUTINE (subquery-12)
23	128	123	216	SCAN CUSTGOODS
24	130	123	216	SCAN s
25	143	123	0	USE TEMP B-TREE FOR ORDER BY
26	163	120	336	SCAN (subquery-12)
27	243	1	0	UNION ALL
28	244	243	0	SCAN CONSTANT ROW



2.2. GRAPH report

```
EXPLAIN QUERY PLAN
step 1.... |__COMPOUND QUERY...node(id: 1)
step 2.... |  |--LEFT-MOST SUBQUERY...node(id: 2)
step 3.... |  |  |--MATERIALIZE suppl...node(id: 5)
step 4.... |  |  |  |__SCAN CONSTANT ROW...node(id: 7)
step 5.... |  |  |  |__SCAN s...node(id: 29, notused: 16)
step 6.... |  |  |--UNION ALL...node(id: 34)
step 7.... |  |  |  |__SCAN CONSTANT ROW...node(id: 35)
step 8.... |  |  |--UNION ALL...node(id: 38)
step 9.... |  |  |  |__SCAN s...node(id: 41, notused: 216)
step 10... |  |  |--UNION ALL...node(id: 46)
step 11... |  |  |  |--SCAN CUSTGOODS...node(id: 50, notused: 216)
step 12... |  |  |  |__SCAN s...node(id: 52, notused: 216)
step 13... |  |  |--UNION ALL...node(id: 91)
step 14... |  |  |  |__SCAN s...node(id: 94, notused: 216)
step 15... |  |  |--UNION ALL...node(id: 99)
step 16... |  |  |  |__SCAN CONSTANT ROW...node(id: 100)
step 17... |  |  |--UNION ALL...node(id: 103)
step 18... |  |  |  |__SCAN s...node(id: 106, notused: 216)
step 19... |  |  |--UNION ALL...node(id: 111)
step 20... |  |  |  |__SCAN s...node(id: 114, notused: 216)
step 21... |  |  |--UNION ALL...node(id: 120)
step 22... |  |  |  |--CO-ROUTINE (subquery-12)...node(id: 123)
step 23... |  |  |  |  |--SCAN CUSTGOODS...node(id: 128, notused: 216)
step 24... |  |  |  |  |--SCAN s...node(id: 130, notused: 216)
step 25... |  |  |  |  |  |__USE TEMP B-TREE FOR ORDER BY...node(id: 143)
step 26... |  |  |  |  |  |__SCAN (subquery-12)...node(id: 163, notused: 336)
step 27... |  |  |--UNION ALL...node(id: 243)
step 28... |  |  |  |__SCAN CONSTANT ROW...node(id: 244)
```