

Jaya Jagannatha

Submitted by Ipsita Sahoo

SQL Code:

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-- Jaya Jagannatha Kalia Santa
SELECT * FROM "lenodo_data"."kalia_lenodo_bucket" limit 10;

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-- best-selling product
SELECT
    stockcode,
    count(stockcode) as soled_stockcode_count
FROM "lenodo_data"."parquet_format"
group by stockcode
order by soled_stockcode_count desc
limit 5;

-- Country where best-selling product is sold
select distinct country,
    stockcode
From "lenodo_data"."parquet_format"
where stockcode = (
    SELECT stockcode
    from (
        SELECT stockcode,
            count(stockcode) as soled_stockcode_count
        FROM "lenodo_data"."parquet_format"
        group by stockcode
        order by soled_stockcode_count desc
        limit 1
    )
);

-- which product and its marketing needs the most improvement
SELECT stockcode, count(stockcode) as soled_stockcode_count
FROM "lenodo_data"."parquet_format"
group by stockcode
order by soled_stockcode_count;

-- For eachcountry what product sold for which quantity (for each country quantity is in
decending order)
select country,
    stockcode,
    count(stockcode) as number_sold
FROM "lenodo_data"."parquet_format"
group by country,
    stockcode
order by country,
    number_sold desc;
```

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```
-- Put the data generated in previous query to a table
create table countrywise_data as
select country,
       stockcode,
       count(stockcode) as number_sold
FROM "lenodo_data"."parquet_format"
group by country,
       stockcode
order by country,
       number_sold desc;

-- Print the data using select
select * from countrywise_data;

-- Jaya Jagannatha
-- For each country which product is sold maximum
-- row_number works correctly
select country,stockcode,number_sold
from (
    select country,stockcode,number_sold,
           row_number() over (partition by country order by number_sold desc) as rn
    from "lenodo_data"."countrywise_data"
) sub
where rn = 1
order by country;

-- Group By asks u to grup by stockcode too which will return the whole table itself for
this case
-- select country,stockcode,max(number_sold) from countrywise_data group by country;

-- Distinct also retuens the fulltable as it is for this case
-- SELECT DISTINCT country, stockcode, number_sold
-- FROM    "lenodo_data"."countrywise_data"
-- ORDER  BY country, number_sold DESC, stockcode;

-- Distinct On does not work on Athena I guess
-- SELECT DISTINCT ON (country)
--        country, stockcode, number_sold
-- FROM    "lenodo_data"."countrywise_data"
-- ORDER  BY country, number_sold DESC, stockcode;
```