

Codebasics SQL Challenge - Hints

request1:

1. use dim_customer table
2. concepts like where, distinct, conditions, etc

request2:

1. use fact_sales_monthly table
2. To get the unique product count, use the product_code column.
3. concepts like CTE's, cross join, Round, distinct, count, as, select, where, etc

request3:

1. use dim_product table
2. concepts like Group by, order by, count, distinct, etc

request4:

1. Extension for the above question
2. use fact_sales_monthly, dim_product tables
3. concepts like CTE's, joins, distinct, count, as, select, where, Groupby, order by, etc

request5:

1. use fact_manufacturing_cost, dim_product
2. concepts like joins, where, min, max, sub-queries

request6:

1. use fact_pre_invoice_deductions, dim_customer
2. concepts like joins, where, Group by, Aggregate function(Avg), Round, order by, Limit, etc

request7:

1. Gross sales Amount = gross_price * sold_quantity
2. use fact_sales_monthly, dim_customer, fact_gross_price tables
3. concepts like Multiple Joins, Group by, where, Round, and Aggregate function(sum).

request8:

1. use the fact_sales_monthly table
2. derive the Month from the date and assign a Quarter. Note that fiscal_year for Atliq Hardware starts from September(09)
3. concepts like CTEs, case-when, where, Group by, Order by, and Aggregate function(sum).

request9:

1. $\text{gross_sales_mln} = \text{gross_price} * \text{sold_quantity}$
2. use fact_sales_monthly, fact_gross_price, dim_customer tables
3. concepts like joins, CTEs, where, Group by, Aggregate function(sum), Round, order by, Limit, and window functions

request10:

1. use fact_sales_monthly, dim_product tables
2. concepts like CTEs, filtering, Group by, Aggregate function(sum), window functions like Rank, Partition By