#ad\_hoc\_request\_1

#provide a list of market in which customer " Atliq exclusive" operates its buisness in the APAC region

SELECT distinct Market

from dim\_customer

where customer="Atliq exclusive"

and region = "APAC";

#ad\_hoc\_request\_2

#create a report that contain top\_5\_market in fiscal\_year 2021

SELECT

market,

round(sum(net\_sales)/1000000,2)as net\_sales\_mln

FROM gdb0041.net\_sales

where fiscal\_year = 2021

group by market

order by net\_sales\_mln desc

limit 5;

#ad\_hoc\_request\_3

#In which quarter of 2020 , got the maximum sold quantity? the final output contain these field by the total-sold quantity, quarter sold quantity

select

CASE

when month(date) in(9,10,11) then "Q1"

when month(date) in(12,01,02) then "Q2"

when month(date) in(03,04,05) then "Q3"

else "Q4"

END as quarters,

sum(sold\_quantity) as total\_sales\_qty

from fact\_sales\_monthly

where fiscal\_year =2020

group by quarters

order by total\_sales\_qty desc;

#ad\_hoc\_request\_4

#create a report that contain top\_5\_products in fiscal\_year\_2021

SELECT

product,

round(sum(net\_sales)/1000000,2) as net\_sales\_mln

FROM gdb0041.net\_sales

where fiscal\_year=2021

group by product

order by net\_sales\_mln desc

limit 5;

#Ad\_hoc\_request\_5

#create a report on gross\_price\_total in the the fiscal\_year 20201 ,where the final output contain

#.product,variant,gross\_price\_total

select

s.date , s.product\_code,

p.product,p.variant,s.sold\_quantity,

g.gross\_price,

round( s.sold\_quantity \* g.gross\_price,2) as gross\_price\_total

from fact\_sales\_monthly s

join dim\_product p

on p.product\_code=s.product\_code

join fact\_gross\_price g

on

g.product\_code = s.product\_code and

g.fiscal\_year=get\_fiscal\_year(s.date)

WHERE

customer\_code=90002002 and

get\_fiscal\_year(date)=2021

order by date asc

limit 1000000;

#ad\_hoc\_request\_6

# Generate a yearly report for Croma India where there are two columns

#1. Fiscal Year

#2. Total Gross Sales amount In that year from Croma

select

get\_fiscal\_year(date) as fiscal\_year,

round(sum(g.gross\_price\* sold\_quantity),1) as yearly\_sales

from fact\_sales\_monthly s

join fact\_gross\_price g

on

g.fiscal\_year=get\_fiscal\_year(s.date) and

s.product\_code=g.product\_code

join fact\_pre\_invoice\_deductions pre

on

pre.customer\_code=s.customer\_code and

pre.fiscal\_year=get\_fiscal\_year(s.date)

where

s.customer\_code=90002002

group by get\_fiscal\_year(date)

order by fiscal\_year;

#ad\_hoc\_request\_7

#genrerate a report for total quantity sold in india in the fiscal year of 2021

select

c.market,

sum(sold\_quantity) as total\_qty

from fact\_sales\_monthly s

join dim\_customer c

on s.customer\_code=c.customer\_code

where get\_fiscal\_year(s.date)=2021 and c.market = "india"

group by c.market;

#ad\_hoc\_request\_8

#Retrieve the top 2 markets in every region by their gross sales amount in FY=2021.

WITH cte1 AS (

SELECT

c.market,

c.region,

ROUND(SUM(s.sold\_quantity \* g.gross\_price), 2) AS gross\_sales\_total,

ROUND(SUM(s.sold\_quantity \* g.gross\_price) / 1000000, 2) AS gross\_sales\_mln

FROM

fact\_sales\_monthly s

JOIN

dim\_customer c ON c.customer\_code = s.customer\_code

JOIN

fact\_gross\_price g ON g.product\_code = s.product\_code

WHERE

s.fiscal\_year = 2021

GROUP BY

c.region, c.market

)

SELECT

market,

region,

gross\_sales\_total,

gross\_sales\_mln

FROM (

SELECT

market,

region,

gross\_sales\_total,

gross\_sales\_mln,

ROW\_NUMBER() OVER (PARTITION BY region ORDER BY gross\_sales\_total DESC) AS rn,

dense\_rank() OVER (PARTITION BY region ORDER BY gross\_sales\_total DESC) AS rnk

FROM

cte1

) AS ranked

WHERE

rn <= 2;

#ad\_hoc\_request\_9

#generate a report of top net sales by their market share percentage in fiscal year 2021

with cte1 as (

SELECT

c.customer,

round(sum(net\_sales)/1000000,2) as net\_sales\_mln

FROM gdb0041.net\_sales n

join dim\_customer c

on n.customer\_code=c.customer\_code

where n.fiscal\_year=2021

group by c.customer)

select

\*,

net\_sales\_mln\*100/sum(net\_sales\_mln)over() as pct

from cte1

order by net\_sales\_mln desc

#ad\_hoc\_request\_10

#generate region wise (APAC,EU,LTAM,etc) percentage net sales breakdown by customer in a respective region.

with cte1 as (

SELECT

c.customer,

c.region,

round(sum(net\_sales)/1000000,2) as net\_sales\_mln

FROM gdb0041.net\_sales n

join dim\_customer c

on n.customer\_code=c.customer\_code

where n.fiscal\_year=2021

group by c.customer,region)

select

\*,

net\_sales\_mln\*100/sum(net\_sales\_mln)over(partition by region ) as pct\_share\_region

from cte1

order by region,net\_sales\_mln desc;