TASK 1:-

SELECT distinct market FROM gdb023.dim\_customer

where customer LIKE "%Atliq Exclusive%" and region like "APAC"

TASK 2 :-

with unique\_product\_2020 as (

SELECT

count(product\_code) as uni\_2020

FROM gdb023.fact\_gross\_price

where fiscal\_year = 2020),

unique\_product\_2021 as (

SELECT

count(product\_code) as uni\_2021

FROM gdb023.fact\_gross\_price

where fiscal\_year = 2021)

select

\*,

(uni\_2021 - uni\_2020)\*100/uni\_2020 as percentage\_chg

from unique\_product\_2020

JOIN unique\_product\_2021

TASK 3:-

SELECT

p.segment,

COUNT(DISTINCT g.product\_code) as product\_count

FROM gdb023.fact\_gross\_price g

join dim\_product p

ON g.product\_code = p.product\_code

group by p.segment

order by product\_count desc

TASK 4:-

SELECT

\*,

product\_count\_2021 - product\_count\_2020 as difference

FROM gdb023.segment\_product\_cnt\_2021

JOIN segment\_product\_cnt\_2020

using (segment)

TASK 5:-

SELECT

p.customer\_code,

c.customer,

AVG(p.pre\_invoice\_discount\_pct) as average\_discount\_percentage

FROM gdb023.fact\_pre\_invoice\_deductions p

JOIN dim\_customer c

USING (customer\_code)

where fiscal\_year = 2021 and market = "India"

group by p.customer\_code,c.customer

ORDER BY average\_discount\_percentage desc

LIMIT 5

TASK 6:-

WITH cte1 as (

SELECT

monthname((s.date)) as month,

year(s.date) as year,

(s.sold\_quantity \* g.gross\_price) as Gross\_sales\_Amount

FROM gdb023.fact\_sales\_monthly s

JOIN fact\_gross\_price g

ON s.product\_code = g.product\_code

JOIN dim\_customer c

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

and s.fiscal\_year = g.fiscal\_year

where customer like "%Atliq Exclusive%"

)

select

month,year,CONCAT(ROUND(sum(Gross\_sales\_Amount)/1000000,2),"M") AS gross\_sales\_amt

from cte1

group by month, year

TASK 7:-

SELECT

m.product\_code,

p.product,

m.manufacturing\_cost

FROM gdb023.fact\_manufacturing\_cost m

JOIN dim\_product p

USING (product\_code)

where m.manufacturing\_cost

in

((select max(manufacturing\_cost)

from fact\_manufacturing\_cost),(select min(manufacturing\_cost)

from fact\_manufacturing\_cost))

TASK 8:-

with cte1 as (

SELECT

\*,

MONTH(DATE\_ADD(date,INTERVAL 4 MONTH)) as fiscal\_month

FROM gdb023.fact\_sales\_monthly

),

cte2 as (

select

\*,

case

when fiscal\_month in (1,2,3) then "Q1"

when fiscal\_month in (4,5,6) then "Q2"

when fiscal\_month in (7,8,9) then "Q3"

when fiscal\_month in (10,11,12) then "Q4"

end as quater

from cte1

)

select

quater,

sum(sold\_quantity) as total\_sold\_quantity

from cte2

where fiscal\_year = 2020

group by quater

TASK 9 :-

with cte1 as (

SELECT

c.channel,

SUM((s.sold\_quantity \* g.gross\_price)) as gross\_sale\_ttl

FROM gdb0041.fact\_sales\_monthly s

JOIN fact\_gross\_price g

ON s.product\_code = g.product\_code

JOIN dim\_customer c

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

where s.fiscal\_year = 2021

group by channel

)

select

channel,

ROUND(CONCAT((gross\_sale\_ttl)/1000000,"M"),2) AS gross\_sales\_total,

ROUND(SUM(gross\_sale\_ttl)\*100/(select SUM(gross\_sale\_ttl) from cte1),2) as percentage

from cte1

GROUP BY channel

order by percentage desc

TASK 10:-

WITH cte1 as (

SELECT

p.division,

s.product\_code,

p.product,

SUM(s.sold\_quantity) as total\_qty

FROM gdb023.fact\_sales\_monthly s

JOIN dim\_product p

ON p.product\_code = s.product\_code

where s.fiscal\_year = 2021

group by division,s.product\_code,p.product

order by division

)

,cte2 as (

select

\*,

dense\_rank() over(partition by division order by total\_qty desc) as ranking

from cte1

order by division

)

select

\*

from cte2

where ranking <= 3