```
#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 for totaquantity sold in the fiscal year 2021 and the final output contain division & product with their rank

```
 with cte1 as(
select
 p.division,p.product,
 sum(sold_quantity) as total_qty
 from fact_sales_monthly s
 join dim_product p
    on  p.product_code=s.product_code
    where fiscal_year =2021
    group by p.product,p.division),
cte2 as(select
 *,
 dense_rank() over(partition by division order by total_qty desc) as drnk
 from cte1)
 select
 *
 from cte2 where drnk <=3
```