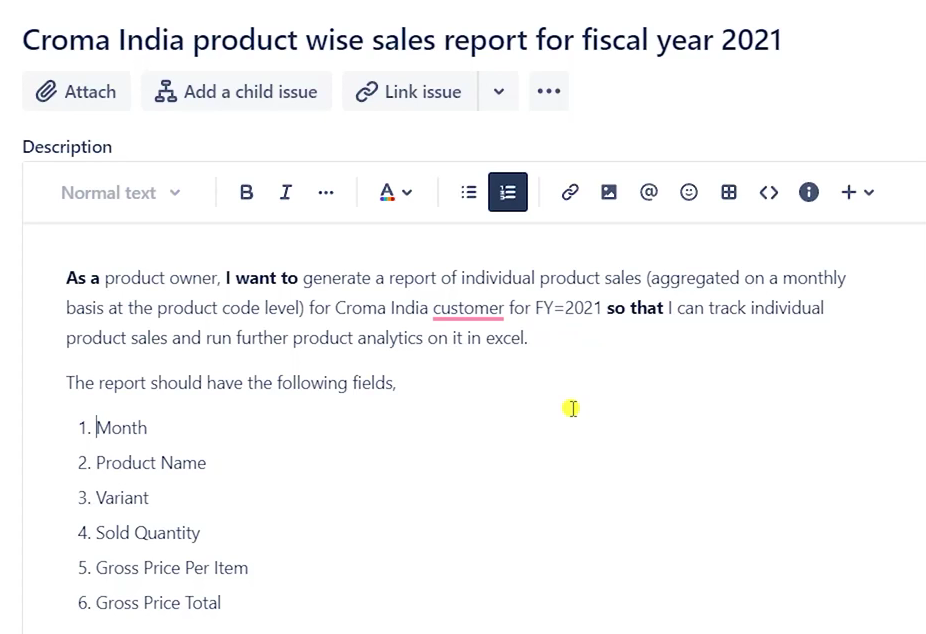
***Finance Analytics :***

**Q1.Croma India Product wise sales Report for fiscal year 2021.**

Note :- (month = Date )



with cte as (

SELECT \* FROM fact\_sales\_monthly as Fsm

where Fic\_yr\_from\_cal\_year(date) = 2021 and customer\_code = "90002002"

)

select date,dp.product\_code,dp.product, dp.variant,sold\_quantity,

g.gross\_price, round((sold\_quantity\*

g.gross\_price),2) as total\_gross\_price

from cte

join dim\_product as dp

using(product\_code)

join fact\_gross\_price as g

on (cte.product\_code = g.product\_code

and Fic\_yr\_from\_cal\_year(cte.date) = g.fiscal\_year)

where cte.product\_code = "A0118150102"



**Q2.Gross Sales monthly Total Sales Report for Croma :-**



with cte as (SELECT \* FROM gdb0041.fact\_sales\_monthly where customer\_code = "90002002")

select cte.date,

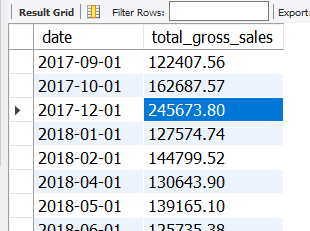
round(sum((g.gross\_price\*cte.sold\_quantity)),2) as total\_gross\_sales

from cte join fact\_gross\_price as g

on Fic\_yr\_from\_cal\_year(date) = g.fiscal\_year

and cte.product\_code = g.product\_code

group by cte.date



Q3. 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

with cte as (SELECT \* FROM gdb0041.fact\_sales\_monthly where customer\_code = "90002002")

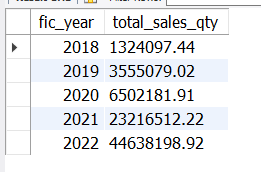
select cte.fic\_year , round(sum(cte.sold\_quantity \* g.gross\_price),2) as total\_sales\_qty

from cte join fact\_gross\_price as g

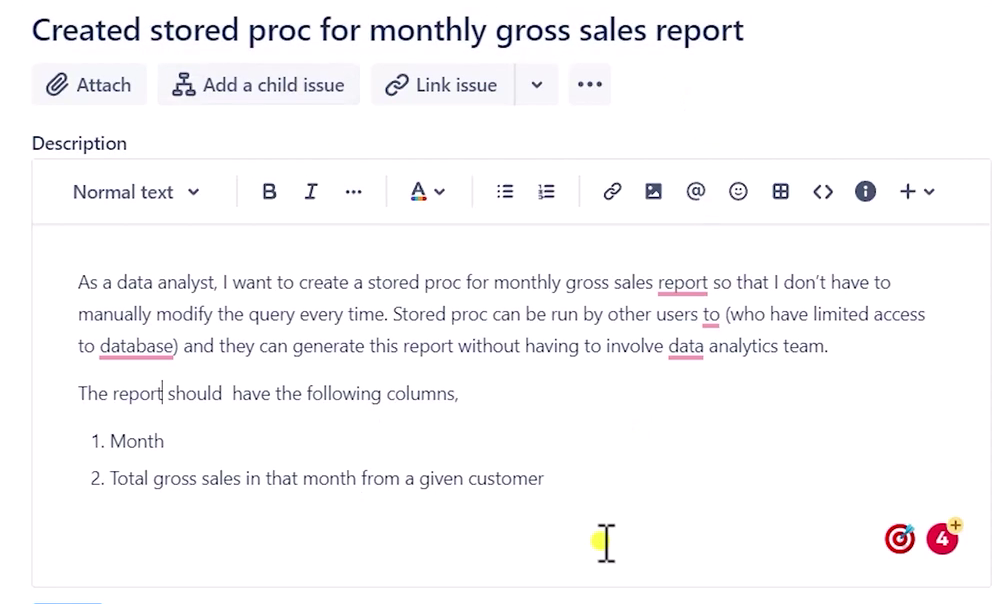
on cte.fic\_year = g.fiscal\_year

and cte.product\_code = g.product\_code

group by cte.fic\_year



Q4.Stored Procedures



CREATE DEFINER=`root`@`localhost` PROCEDURE `new\_Montly\_stored\_procedure`(

c\_code int)

BEGIN

with cte as (

SELECT \* FROM gdb0041.fact\_sales\_monthly where customer\_code = c\_code

)

select cte.date,

round(sum((g.gross\_price\*cte.sold\_quantity)),2) as total\_gross\_sales

from cte join fact\_gross\_price as g

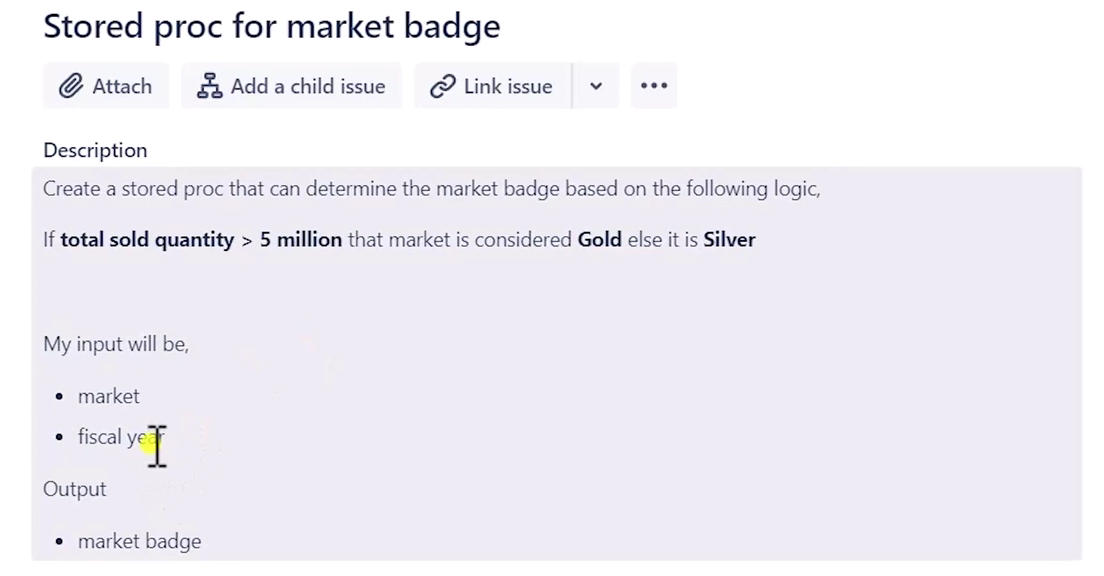
on Fic\_yr\_from\_cal\_year(date) = g.fiscal\_year

and cte.product\_code = g.product\_code

group by cte.date;

END

Q5. Stored Procedure for Market Badge :-



CREATE DEFINER=`root`@`localhost` PROCEDURE `Market\_badge`(

g\_year int,

g\_market text,

out market\_badge text

)

BEGIN

declare qty int default 0;

# set the default market

if g\_market = "" then

set g\_market = "india";

end if;

# get the total qty

SELECT round(sum(fsm.sold\_quantity)/1000000,2) into qty

FROM gdb0041.fact\_sales\_monthly as fsm

left join dim\_customer as dc

using(customer\_code)

where fsm.fic\_year = g\_year and dc.market = g\_market

group by dc.market;

# set the market badge

ifqty > 5 then

set market\_badge = "Gold";

else

set market\_badge = "Silver";

end if;

END

Q6. Top Market, Product, Customers for the Given Finance year :-



Step :-1 create a view

create view Net\_Sales as

with Gross\_sales as (

SELECT fsm.date,fsm.fic\_year,fsm.product\_code,fsm.customer\_Code,

round((fsm.sold\_quantity\*fgp.gross\_price),2) as Gross\_sales

FROM fact\_sales\_monthly fsm

join fact\_gross\_price as fgp

on fsm.fic\_year = fgp.fiscal\_year

and fsm.product\_code = fgp.product\_code

where fsm.fic\_year = 2021

)

,

Net\_invoice\_sales as

(

select gs.\*,

round(Gross\_sales - (fpid.pre\_invoice\_discount\_pct\*Gross\_sales),2) as Net\_invoice\_sales

from Gross\_sales as gs

join fact\_pre\_invoice\_deductions as fpid

on gs.customer\_Code = fpid.customer\_code

and gs.fic\_year = fpid.fiscal\_year

)

select

nis.product\_code,nis.customer\_code,

dc.market,

round(Net\_invoice\_sales - ((Net\_invoice\_sales\*pst.discounts\_pct)+

(Net\_invoice\_sales\*pst.other\_deductions\_pct)),2) as Net\_sales

from Net\_invoice\_sales as nis

join fact\_post\_invoice\_deductions as pst

on nis.customer\_code = pst.customer\_code

and nis.product\_code = pst.product\_code

and nis.date = pst.date

join dim\_customer as dc

on dc.customer\_code = nis.customer\_code

Q6.1 ***Top Market based on Net Sales.***

**Create the Stored Procedure** For Market .

CREATE DEFINER=`root`@`localhost` PROCEDURE `top\_markets\_by\_net\_sales`(

in\_fic\_year int,

int\_limit int

)

BEGIN

SELECT market,

round((sum(net\_sales)/1000000),2) as "total\_net\_sales\_amount"

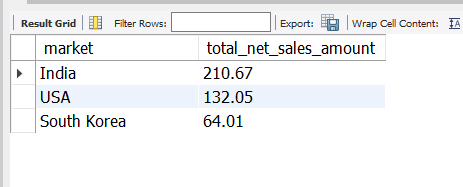
FROM gdb0041.net\_sales

where fic\_year = in\_fic\_year

group by market

order by total\_net\_sales\_amount desc limit int\_limit;

END



Q6.2 ***Top Customer based on Net Sales.***

Create the Stored Procedure for Customer.

CREATE DEFINER=`root`@`localhost` PROCEDURE `top\_customer\_by\_net\_Sales`(

in\_fic\_year int,

top\_N int

)

BEGIN

SELECT customer,

round((sum(net\_sales)/1000000),2) as "total\_net\_sales\_amount"

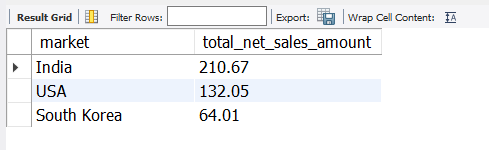
FROM gdb0041.net\_sales

where fic\_year = in\_fic\_year

group by customer

order by total\_net\_sales\_amount desc limit top\_N;

END



Q6.3 ***Top Products based on Net Sales.***

Create the Stored Procedure for Customer.

CREATE DEFINER=`root`@`localhost` PROCEDURE `top\_n\_products\_by\_net\_Sales`(

in\_fic\_year int,

top\_N int

)

BEGIN

SELECT product,

round((sum(net\_sales)/1000000),2) as "total\_net\_sales\_amount"

FROM gdb0041.net\_sales

join dim\_product as dp

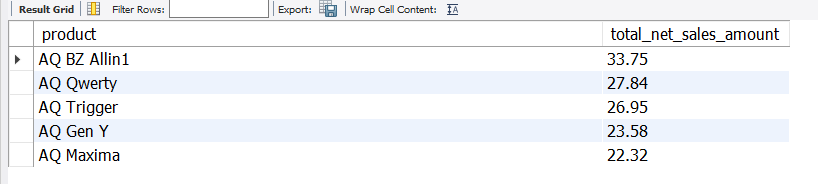
using(product\_code)

where fic\_year = in\_fic\_year

group by product

order by total\_net\_sales\_amount desc limit top\_N;

END



Q7. Net Sales % share by Region and customer in the year 2021

*Step :- 1 Creating a view*

create view Net\_Sales as

with Gross\_sales as (

SELECT fsm.date,fsm.fic\_year,fsm.product\_code,fsm.customer\_Code,

round((fsm.sold\_quantity\*fgp.gross\_price),2) as Gross\_sales

FROM fact\_sales\_monthly fsm

join fact\_gross\_price as fgp

on fsm.fic\_year = fgp.fiscal\_year

and fsm.product\_code = fgp.product\_code

where fsm.fic\_year = 2021

)

,

Net\_invoice\_sales as

(

select gs.\*,

round(Gross\_sales - (fpid.pre\_invoice\_discount\_pct\*Gross\_sales),2) as Net\_invoice\_sales

from Gross\_sales as gs

join fact\_pre\_invoice\_deductions as fpid

on gs.customer\_Code = fpid.customer\_code

and gs.fic\_year = fpid.fiscal\_year

)

select

nis.product\_code,nis.customer\_code,

dc.market,

round(Net\_invoice\_sales - ((Net\_invoice\_sales\*pst.discounts\_pct)+

(Net\_invoice\_sales\*pst.other\_deductions\_pct)),2) as Net\_sales

from Net\_invoice\_sales as nis

join fact\_post\_invoice\_deductions as pst

on nis.customer\_code = pst.customer\_code

and nis.product\_code = pst.product\_code

and nis.date = pst.date

join dim\_customer as dc

on dc.customer\_code = nis.customer\_code

*Step:- 2 Creating a Stored Procedure for the same.*

CREATE DEFINER=`root`@`localhost` PROCEDURE `region\_wise\_top\_customer\_by\_%contribution`(

in\_yr int,

in\_region varchar(20),

in\_limit int

)

BEGIN

with cte as (

SELECT

customer,region,round(sum(Net\_sales)/1000000,2) as total\_net\_sales

FROM gdb0041.net\_sales

where fic\_year = in\_yr

group by customer,region

)

select \*,

-- sum(total\_net\_sales) over(partition by region)

round(total\_net\_sales

/

(sum(total\_net\_sales) over(partition by region)),2)\*100

as total\_per\_by\_region

from cte

where region = in\_region limit in\_limit;

END