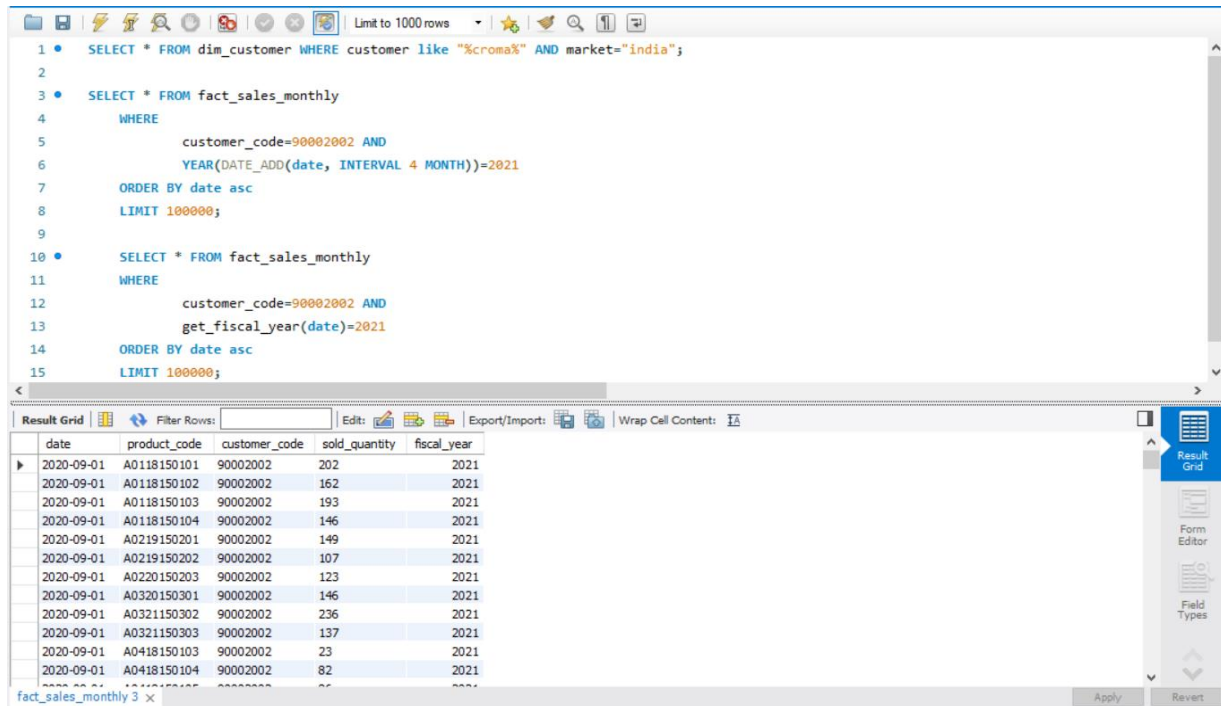


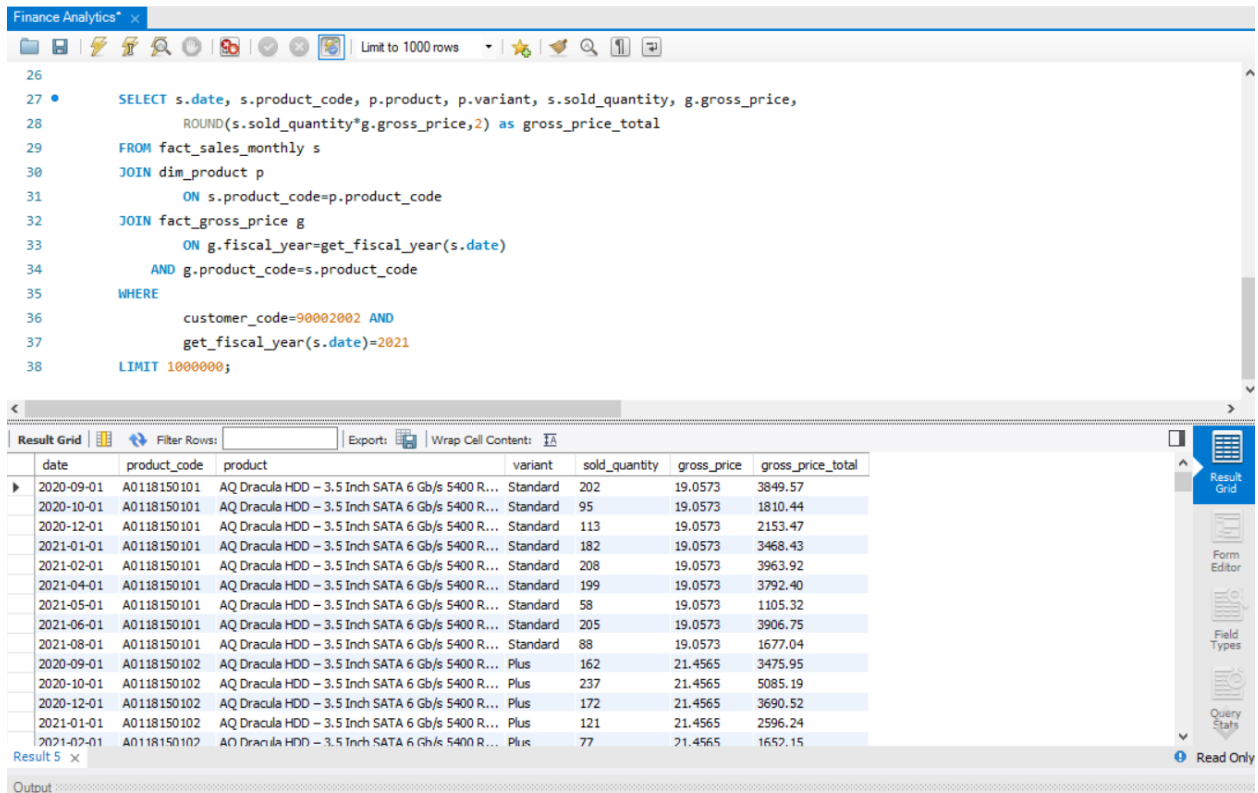
Task 1:- Croma India product wise sales report for fiscal year 2021.



```
1 • SELECT * FROM dim_customer WHERE customer like "%croma%" AND market="india";
2
3 • SELECT * FROM fact_sales_monthly
4     WHERE
5         customer_code=90002002 AND
6         YEAR DATE_ADD(date, INTERVAL 4 MONTH)=2021
7     ORDER BY date asc
8     LIMIT 100000;
9
10 • SELECT * FROM fact_sales_monthly
11     WHERE
12         customer_code=90002002 AND
13         get_fiscal_year(date)=2021
14     ORDER BY date asc
15     LIMIT 100000;
```

date	product_code	customer_code	sold_quantity	fiscal_year
2020-09-01	A0118150101	90002002	202	2021
2020-09-01	A0118150102	90002002	162	2021
2020-09-01	A0118150103	90002002	193	2021
2020-09-01	A0118150104	90002002	146	2021
2020-09-01	A0219150201	90002002	149	2021
2020-09-01	A0219150202	90002002	107	2021
2020-09-01	A0220150203	90002002	123	2021
2020-09-01	A0320150301	90002002	146	2021
2020-09-01	A0321150302	90002002	236	2021
2020-09-01	A0321150303	90002002	137	2021
2020-09-01	A0418150103	90002002	23	2021
2020-09-01	A0418150104	90002002	82	2021

Gross Sales Report: Monthly Product Transactions



```
26
27 • SELECT s.date, s.product_code, p.product, p.variant, s.sold_quantity, g.gross_price,
28         ROUND(s.sold_quantity*g.gross_price,2) as gross_price_total
29 FROM fact_sales_monthly s
30 JOIN dim_product p
31     ON s.product_code=p.product_code
32 JOIN fact_gross_price g
33     ON g.fiscal_year=get_fiscal_year(s.date)
34     AND g.product_code=s.product_code
35 WHERE
36     customer_code=90002002 AND
37     get_fiscal_year(s.date)=2021
38 LIMIT 100000;
```

date	product_code	product	variant	sold_quantity	gross_price	gross_price_total
2020-09-01	A0118150101	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Standard	202	19.0573	3849.57
2020-10-01	A0118150101	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Standard	95	19.0573	1810.44
2020-12-01	A0118150101	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Standard	113	19.0573	2153.47
2021-01-01	A0118150101	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Standard	182	19.0573	3468.43
2021-02-01	A0118150101	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Standard	208	19.0573	3963.92
2021-04-01	A0118150101	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Standard	199	19.0573	3792.40
2021-05-01	A0118150101	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Standard	58	19.0573	1105.32
2021-06-01	A0118150101	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Standard	205	19.0573	3906.75
2021-08-01	A0118150101	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Standard	88	19.0573	1677.04
2020-09-01	A0118150102	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Plus	162	21.4565	3475.95
2020-10-01	A0118150102	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Plus	237	21.4565	5085.19
2020-12-01	A0118150102	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Plus	172	21.4565	3690.52
2021-01-01	A0118150102	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Plus	121	21.4565	2596.24
2021-02-01	A0118150102	AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 R...	Plus	77	21.4565	1652.15

Gross Sales Report: Total Sales Amount

Finance Analytics

Limit to 1000 rows

```
39
40
41
42 • SELECT
43     s.date,
44     SUM(ROUND(s.sold_quantity*g.gross_price,2)) as monthly_sales
45 FROM fact_sales_monthly s
46 JOIN fact_gross_price g
47     ON g.fiscal_year=get_fiscal_year(s.date) AND g.product_code=s.product_code
48 WHERE
49     customer_code=90002002
50 GROUP BY date;
51
```

Result Grid

date	monthly_sales
2017-09-01	122407.57
2017-10-01	162687.56
2017-12-01	245673.84
2018-01-01	127574.73
2018-02-01	144799.54
2018-04-01	130643.92
2018-05-01	139165.06
2018-06-01	125735.36
2018-08-01	125409.90
2018-09-01	343337.14
2018-10-01	440562.10
2018-12-01	653944.72
2019-01-01	359025.06
2019-07-01	356607.19

dim_customer 6 fact_sales_monthly 7 fact_sales_monthly 8 Result 9 Result 10 Result 11 x

Read Only

Stored Procedures: Monthly Gross Sales Report

```
1 • CREATE DEFINER='root'@'localhost' PROCEDURE `get_monthly_gross_sales_for_customer`(in_customer_codes TEXT)
2 BEGIN
3     Select s.date,SUM(g.gross_price* s.sold_quantity) as total_gross_sales from fact_sales_monthly s
4     join fact_gross_price g
5     on s.product_code= g.product_code and g.fiscal_year = get_fiscal_year(s.date)
6     where find_in_set(s.customer_code,in_customer_codes)
7     group by s.date
8     order by s.date asc ;
9
10 END
```

Stored Procedure: Market Badge

Note: if total sold quantity > 5 million that market is considered "Gold" else "Silver"

```
1 CREATE DEFINER='root'@'localhost' PROCEDURE `get_market_badge`(  
2     IN in_market varchar(45),  
3     IN in_fiscal_year year,  
4     OUT out_badge varchar(45)  
5 )  
6 BEGIN  
7     declare qty int default 0;  
8     #set default market to be India  
9     if in_market="" then  
10         set in_market = "India";  
11     end if;  
12     # Retrieve total qty for a given year market+ fyear  
13     Select  
14         SUM(sold_quantity) into qty  
15     from fact_sales_monthly s  
16     join dim_customer c  
17     on s.customer_code = c.customer_code  
18     where get_fiscal_year(s.date)=in_fiscal_year and c.market=in_market  
19     group by c.market;  
20  
21     #Determine market badge  
22     if qty >5000000 then set out_badge = "Gold";  
23     else set out_badge= "Silver";  
24 END
```