

Problem Statements:

1. Generate Monthly Gross sales report for 'Croma India' for all years

The screenshot displays two SQL queries and their corresponding result grids in a database management tool.

Query 1: Getting customer codes for "Croma india"

```

1  # Getting customer codes for "Croma india"
2  SELECT * FROM dim_customer
3  WHERE customer like "%croma%"
4  AND market="india";

```

Result Grid 1:

customer_code	customer	platform	channel	market	sub_zone	region
90002002	Croma	Brick & Mortar	Retailer	India	India	APAC
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query 2: Generate monthly gross sales report for "Croma India" for all the years(2018-2021)

```

1  # Generate monthly gross sales report for "Croma India" for all the years(2018-2021)
2  SELECT
3      s.date,
4      SUM(ROUND(s.sold_quantity*g.gross_price,2)) as monthly_sales
5  FROM fact_sales_monthly s
6  JOIN fact_gross_price g
7      ON g.fiscal_year=get_fiscal_year(s.date) AND g.product_code=s.product_code
8  WHERE
9      customer_code=90002002
10 GROUP BY date;

```

Result Grid 2:

date	monthly_sales
2021-01-01	2303086.42
2021-02-01	2355170.55
2021-04-01	2253575.01
2021-05-01	2181587.87
2021-06-01	2288587.49
2021-08-01	2349478.81
2021-09-01	11192823.18
2021-10-01	13908229.35
2021-12-01	19537146.58

2. Get Market Badge for 'India' for Fiscal_year 2021

```

1  # Getting Market badge for 'India' using stored procedure
2  • set @out_badge = '0';
3  • call gdb0041.get_market_badge('India', 2021, @out_badge);
4  • select @out_badge;
5

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	@out_badge			
▶	Gold			

3. Generate yearly report for 'Croma India'

```

1  ## Generate a yearly report for Croma India where there are two columns
2  # 1. Fiscal Year  2. Total Gross Sales amount In that year from Croma
3  • select
4      get_fiscal_year(date) as fiscal_year,
5      sum(round(sold_quantity*g.gross_price,2)) as yearly_sales
6  from fact_sales_monthly s
7  join fact_gross_price g
8  on
9      g.fiscal_year=get_fiscal_year(s.date) and
10     g.product_code=s.product_code
11  where
12     customer_code=90002002
13  group by get_fiscal_year(date)
14  order by fiscal_year;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	fiscal_year	yearly_sales		
▶	2018	1324097.48		
	2019	3555079.19		
	2020	6502182.12		
	2021	23216512.73		
	2022	44638199.11		

4. Get monthly_gross_sales report for 'Atliq e-store India'

```

1      #Getting monthly_gross_sales for 'Atliq e-store India'
2
3      • call gdb0041.get_monthly_gross_sales_for_customer(70002018);
4

```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	date	monthly_sales			
▶	2017-09-01	125679.06			
	2017-10-01	179561.73			
	2017-12-01	232048.75			
	2018-01-01	134159.30			
	2018-02-01	121255.96			
	2018-04-01	128505.13			
	2018-05-01	131135.92			
	2018-06-01	131831.71			
	2018-08-01	156328.72			
	2018-09-01	393762.83			
	2018-10-01	449177.95			
	2018-12-01	616098.00			
	2019-01-01	366093.86			
	2019-02-01	355675.49			
	2019-04-01	336988.02			
	2019-05-01	366392.50			

5. Getting top 5 customers by net sales in India for fiscal_year 2021

```

1      #Getting Top 5 customers in 'India' by stored Procedure
2
3      • call gdb0041.get_top_n_customers_by_net_sales('India', 2021, 5);
4

```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	customer	net_sales_mln			
▶	Amazon	30.00			
	Atliq Exclusive	23.98			
	Flipkart	12.96			
	Electricalsociety	12.31			
	Propel	11.86			