

SQL Project

Croma India product wise sales report for fiscal year 2021

 Attach  Add a child issue  Link issue  

Description

Normal text  **B** *I* ...      @     + 

As a product owner, **I want to** generate a report of individual product sales (aggregated on a monthly basis at the product code level) for Croma India customer for FY=2021 **so that** I can track individual product sales and run further product analytics on it in excel.

The report should have the following fields,

1. Month
2. Product Name
3. Variant
4. Sold Quantity
5. Gross Price Per Item
6. Gross Price Total



SQL Query For the given problem

```
SELECT
    s.date,
    s.product_code,
    p.product,
    p.variant,
    s.sold_quantity,
    g.gross_price as gross_price_per_item,
    ROUND(s.sold_quantity*g.gross_price,2) as gross_price_total
    FROM fact_sales_monthly s
    JOIN dim_product p
    ON s.product_code=p.product_code
    JOIN fact_gross_price g
    ON g.fiscal_year=get_fiscal_year(s.date)
    AND g.product_code=s.product_code
WHERE
    s.customer_code=90002002 AND
    get_fiscal_year(s.date)=2021
LIMIT 1000000;
```

FUNCTION CREATED FOR QUERY

```
CREATE FUNCTION `get_fiscal_year`(calendar_date DATE)
  RETURNS int
  DETERMINISTIC
  BEGIN
    DECLARE fiscal_year INT;
    SET fiscal_year = YEAR(DATE_ADD(calendar_date,
INTERVAL 4 MONTH));
    RETURN fiscal_year;
  END
```

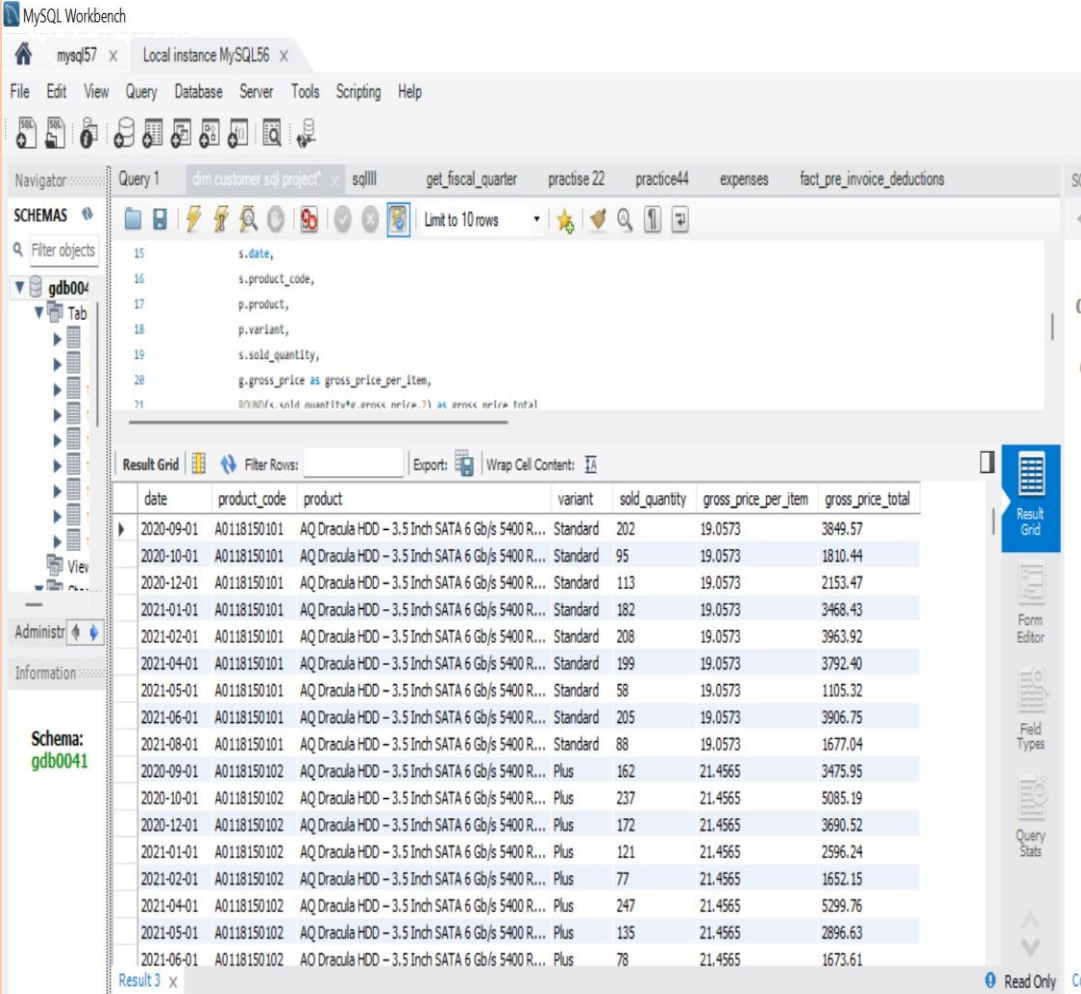
MYSQL QUERY VIEW

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a tree view for the 'gdb0041' database, listing various tables and views. The main area is the 'Query 1' editor, which contains a SQL query. Below the editor, the 'Result Grid' shows the output of the query, displaying columns for date, product code, product name, variant, sold quantity, gross price per item, and gross price total. The results are filtered to show data for the year 2021.

```
SELECT
    s.date,
    s.product_code,
    p.product,
    p.variant,
    s.sold_quantity,
    g.gross_price as gross_price_per_item,
    ROUND(s.sold_quantity*g.gross_price,2) as gross_price_total
FROM fact_sales_monthly s
JOIN dim_product p
    ON s.product_code=p.product_code
JOIN fact_gross_price g
    ON g.fiscal_year=get_fiscal_year(s.date)
    AND g.product_code=s.product_code
WHERE
    s.customer_code=90002002 AND
    get_fiscal_year(s.date)=2021
LIMIT 100000;
```

date	product_code	product	variant	sold_quantity	gross_price_per_item	gross_price_total
2021-04-01	A0219150201	AQ WereWolf NAS Internal Hard Drive HDD – 8....	Standard	81	23.6987	1919.59
2021-05-01	A0219150201	AQ WereWolf NAS Internal Hard Drive HDD – 8....	Standard	197	23.6987	4668.64
2021-06-01	A0219150201	AQ WereWolf NAS Internal Hard Drive HDD – 8....	Standard	40	23.6987	947.95
2021-08-01	A0219150201	AQ WereWolf NAS Internal Hard Drive HDD – 8....	Standard	95	23.6987	2251.38

MYSQL REQUIRED DATA



MySQL Workbench

mysql57 x Local instance MySQL56 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Query 1 dim customer sql project* x sqllll get_fiscal_quarter practise 22 practise44 expenses fact_pre_invoice_deductions

SCHEMAS

Filter objects

gdb004

Tab

View

Administr

Information

Schema: gdb0041

Query 1

```
15 s.date,  
16 s.product_code,  
17 p.product,  
18 p.variant,  
19 s.sold_quantity,  
20 g.gross_price as gross_price_per_item,  
21 20*30/(s.sold_quantity*p.gross_price) as gross_price_total
```

Result Grid

Filter Rows:

Export: Wrap Cell Content: 1A

date	product_code	product	variant	sold_quantity	gross_price_per_item	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
2021-04-01	A0118150102	AQ Dracula HDD - 3.5 Inch SATA 6 Gb/s 5400 R...	Plus	247	21.4565	5299.76
2021-05-01	A0118150102	AQ Dracula HDD - 3.5 Inch SATA 6 Gb/s 5400 R...	Plus	135	21.4565	2896.63
2021-06-01	A0118150102	AQ Dracula HDD - 3.5 Inch SATA 6 Gb/s 5400 R...	Plus	78	21.4565	1673.61

Result 3 x

Read Only Co