

FINANCE AND SUPPLY CHAIN ANALYTICS ON ATLIQ HARDWARE

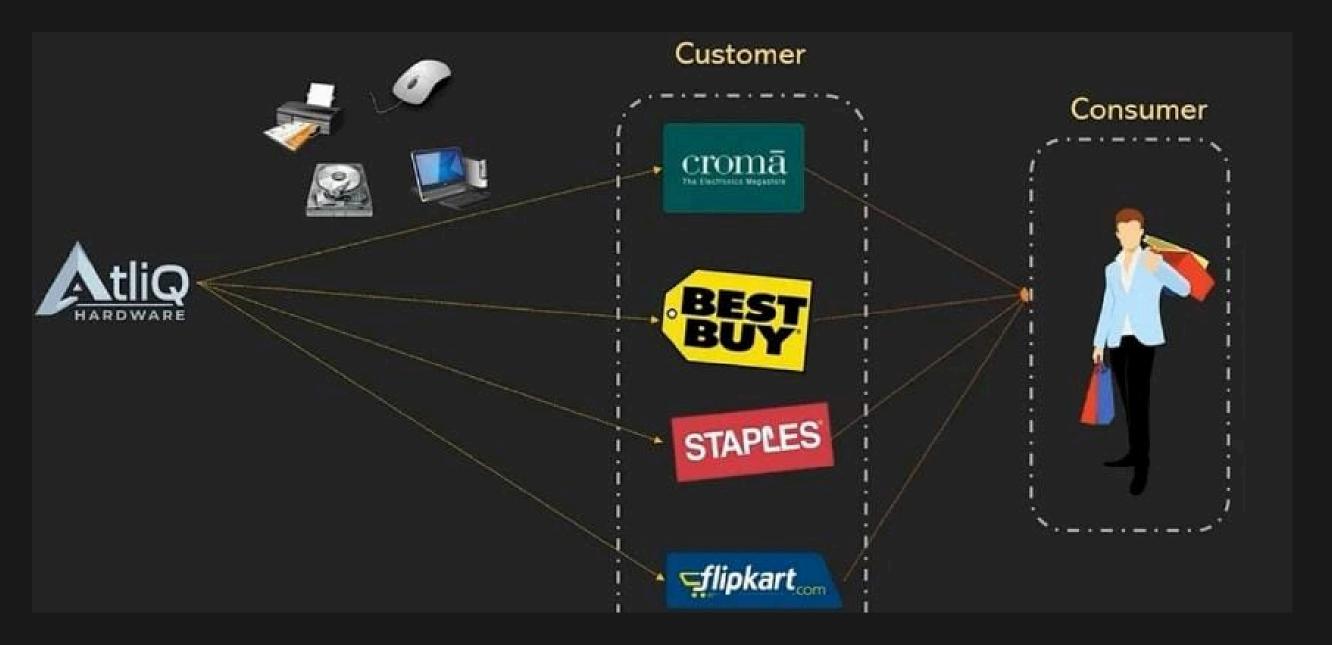
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ABOUT ATLIQ HARDWARE AND BUSINESS MODEL



AtliQ Hardware stands as a premier global authority in electronics manufacturing, renowned for its exceptional quality and innovation. We excel in producing and distributing a wide array of superior hardware products, catering to the varied demands of our global customer base. Our extensive product lineup includes personal computers, printers, mice, and an assortment of computer peripherals, ensuring comprehensive solutions for all computing needs. AtliQ Hardware is dedicated to delivering excellence, reliability, and cutting-edge technology to our valued customers around the world.



PROBLEM STATEMENT

AtliQ Hardware is experiencing performance issues stemming from the growing size and complexity of its Excel files. In response, the company has established a specialized team of data analysts tasked with harnessing the power of MySQL. This initiative aims to uncover valuable insights and boost operational efficiency, ensuring AtliQ Hardware continues to thrive in its data-driven decision-making processes.



PROJECT OVERVIEW

This project involves an in-depth analysis of AtliQ Hardware's dataset to uncover actionable insights. The main goals are to assess sales performance, understand market dynamics, analyze customer behavior, and forecast supply chain trends. These insights will help AtliQ Hardware make informed decisions to drive growth and improve efficiency.



Croma India product wise sales report for fiscal year 2021 & Add a child issue & Link issue ... Description Normal text ~ 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

```
-- a. Perform joins to pull product information
            SELECT s.date, s.product_code, p.product, p.variant, s.sold_quantity
            FROM fact_sales_monthly s
            JOIN dim_product p
                ON s.product_code=p.product_code
            WHERE
                    customer_code=90002002 AND
                    get_fiscal_year(date)=2821
            LIMIT 1000000;
        -- b. Performing join with 'fact gross price' table with the above query and generating required fields
11 .
12
                    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
            30IN dim product p
                    ON s.product_code*p.product_code
21
            JOIN fact_gross_price g
                    ON g.fiscal_year=get_fiscal_year(s.date)
                AND g.product_code=s.product_code
            MHERE
                    customer_code=98882882 AND
                    get_fiscal_year(s.date)=2021
            LIMIT 1000000;
```

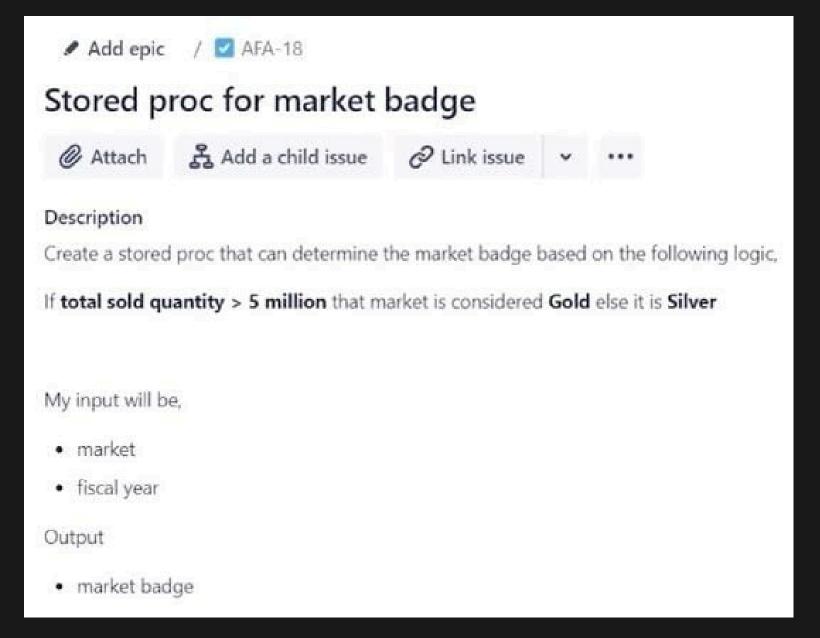
	date	product_code	product	variant	sold_quantity	gross_price	gross_price_total
>	2020-09-01	A0118150101	AQ Dracula HDD - 3.5 Inch SATA 6 Gb/s 5400 R	Standard	202	19.0573	3849.57
	2020-09-01	A0118150102	AQ Dracula HDD - 3,5 Inch SATA 6 Gb/s 5400 R	Plus	162	21,4565	3475.95
	2020-09-01	A0118150103	AQ Dracula HDD - 3,5 Inch SATA 6 Gb/s 5400 R	Premium	193	21.7795	4203.44
	2020-09-01	A0118150104	AQ Dracula HDD - 3.5 Inch SATA 6 Gb/s 5400 R	Premium Plus	146	22.9729	3354.04
	2020-09-01	A0219150201	AQ WereWolf NAS Internal Hard Drive HDD - 8	Standard	149	23.6987	3531.11
	2020-09-01	A0219150202	AQ WereWolf NAS Internal Hard Drive HDD - 8	Plus	107	24.7312	2646.24
	2020-09-01	A0220150203	AQ WereWolf NAS Internal Hard Drive HDD - 8	Premium	123	23.6154	2904.69
	2020-09-01	A0320150301	AQ Zion Saga	Standard	146	23.7223	3463.46
	2020-09-01	A0321150302	AQ Zion Saga	Plus	236	27,1027	6396.24
	2020-09-01	A0321150303	AQ Zion Saga	Premium	137	28.0059	3836.81
	2020-09-01	A0418150103	AQ Mforce Gen X	Standard 3	23	19.5235	449.04

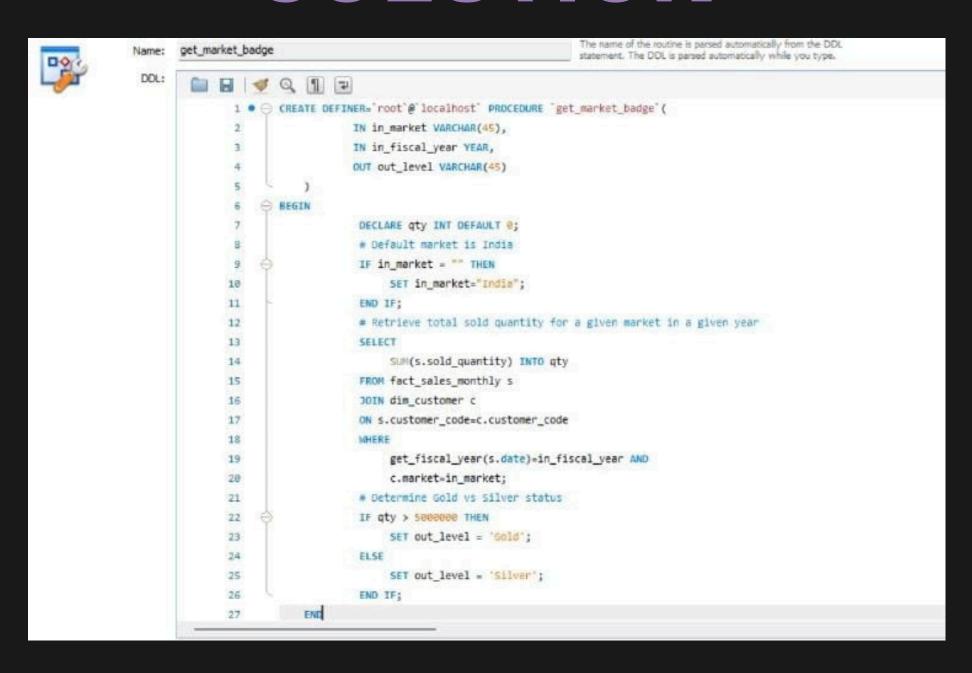




```
1 . SELECT
                          s.date,
                          SUM(ROUND(s.sold_quantity*g.gross_price,2)) as monthly_sales
                FROM fact_sales_monthly s
                JOIN fact gross price g
                     ON g.fiscal year=get fiscal year(s.date) AND g.product code=s.product code
                WHERE
                           customer code=90002002
                GROUP BY date;
                                    Export: Wrap Cell Content: IA
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
           359025.06
  2019-01-01
  2019-02-01
           356607,19
  2019-04-01 379549.74
  2019-05-01 340152.29
  2019-06-01 343792.08
                                                                                                               Read Only
Result 2 x
```







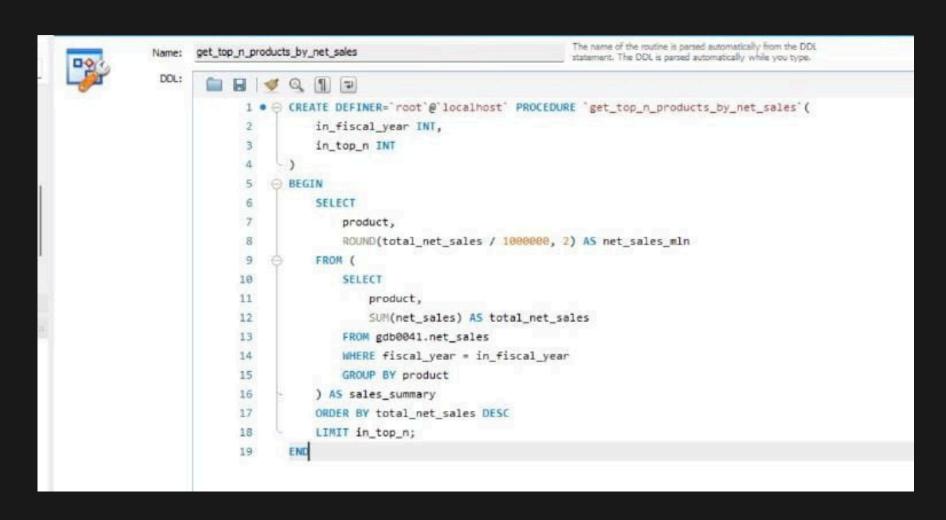
```
1 • set @out_level = '0';
         call gdb0041.get_market_badge('India', 2021, @out_level);
        select @out_level;
Result Grid
                            Export: Wrap Cell Content: TA
          Filter Rows:
  Cout level
▶ Gold
```

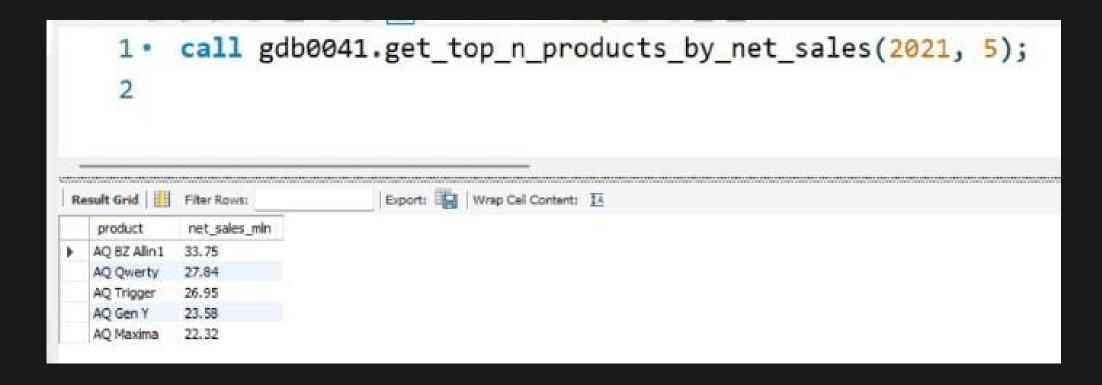


SOLUTION

2. Report for top products,

Rank	Product	Net Sales
1	AQ BZ Allin1	33.75
2	AQ Qwerty	27.84

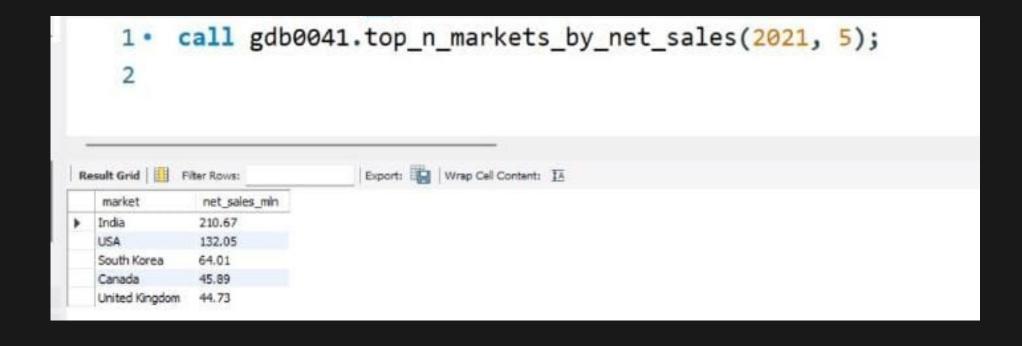






2 2			
Rank	Customer	Net Sales	
1	Amazon	109.03	
2	AtliQ Exclusive	79.92	

```
The name of the routine is parsed automatically from the
     top_n_customer_by_net_sales
                                                                statement. The DDL is parsed automatically while you t
DOL:
       CREATE DEFINER= root @ localhost PROCEDURE top_n_customer_by_net_sales (
                        IN in_fiscal_year INT,
                        IN in_top_n INT
                   BEGIN
                    SELECT
                        c.customer, ROUND(SUM(net_sales) / 1000000, 2) AS net_sales_mln
                    FROM
             8
             9
                        net_sales s
            10
                        JOIN dim_customer c
            11
                        ON s.customer_code*c.customer_code
            12
            13
                        fiscal_year = in_fiscal_year
            14
                    GROUP BY customer
            15
                    ORDER BY net_sales_mln DESC
            15
                    LIMIT in_top_n;
            17
                    END
```





KEY HIGHLIGHTS

- AtliQ Hardware achieved notable sales figures in 2022.
- India led the market in 2021 with \$210.67 million in sales.
- Amazon was the top sales channel in 2021 with \$109.03 million in net sales.40

These insights highlight the strong market presence and successful product performance of AtliQ Hardware, guiding strategic decisions for future growth.



THANKYOU

