

# SQL PROJECT

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# CONCEPT

- Gross Sales
- Pre Invoice Discount
- Post Invoice Discount
- Net Invoice sales
- Net sales
- Market Share %
- Stored Procedure
- Functions
- Views

# OVERVIEW

- function fiscal quarter
- function fiscal year
- monthly sales report for customer Croma
- yearly sales report for customer Croma
- stored procedure for monthly gross sales
- stored procedure for market badge
- pre invoice discount [views]
- post invoice discount [views]
- gross sales [views]
- region wise market share %
- customer wise net sales contribution %

# **FINANCE ANALYTICS**



# INTRODUCTION

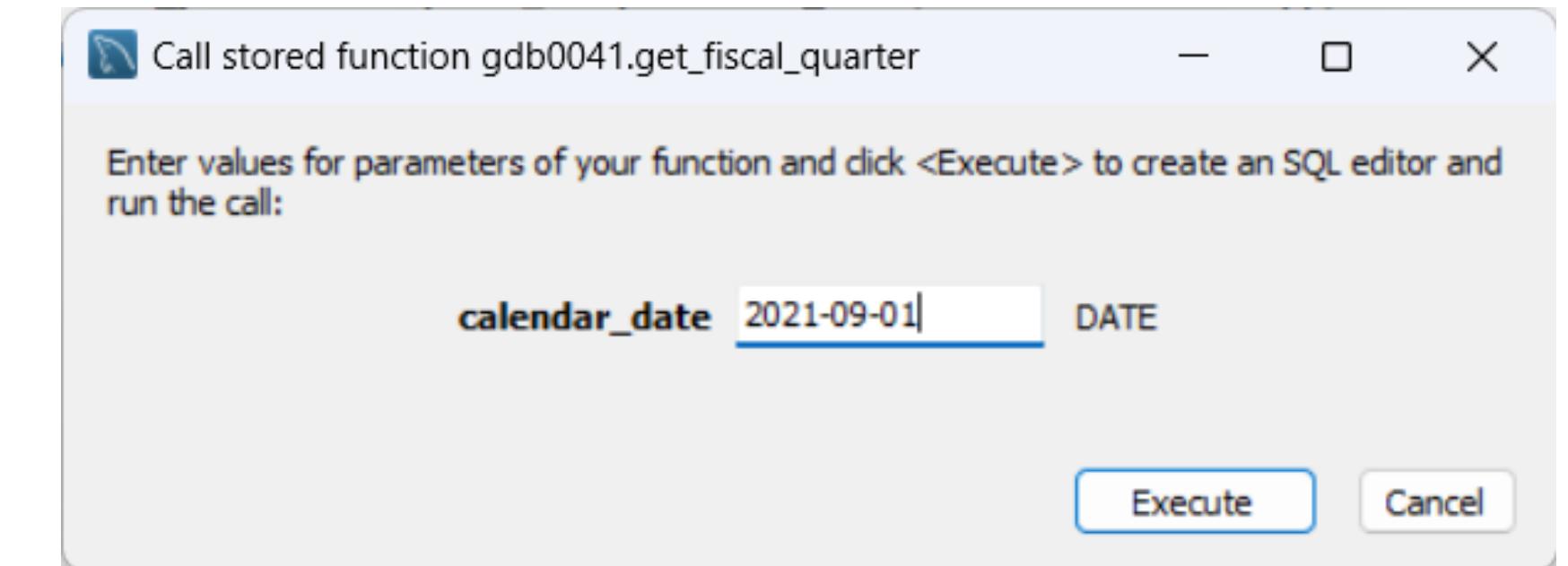
- Objective : Developed and executed SQL queries to analyze large datasets for generating actionable insights in the finance domain.
- Data Management : Managed and optimized financial datasets, including net sales, gross sales , and market data, ensuring data accuracy and integrity.
- Analytical Techniques : Utilized advanced SQL techniques (joins, subqueries, window functions, and CTEs) , stored procedure , views , functions to conduct in-depth analysis, identify key financial trends, and support strategic decision-making.
- Results : Delivered comprehensive financial reports and dashboards that enhanced business intelligence and improved financial forecasting accuracy.
- Tools & Technologies : Proficiently used MySQL , Excel to handle data management, perform complex queries, and automate reporting processes.

# FUNCTIONS

## CREATE A FUNCTION FOR GET FISCAL QUARTER

```
CREATE DEFINER='root'@'localhost' FUNCTION `get_fiscal_quarter`(  
    calendar_date DATE  
) RETURNS char(2) CHARSET utf8mb4  
    DETERMINISTIC  
BEGIN  
    DECLARE m TINYINT;  
    DECLARE qtr CHAR(2);  
    SET m = MONTH(calendar_date);  
  
    IF m IN (9, 10, 11) THEN  
        SET qtr = 'Q1';  
    ELSEIF m IN (12, 1, 2) THEN  
        SET qtr = 'Q2';  
    ELSEIF m IN (3, 4, 5) THEN  
        SET qtr = 'Q3';  
    ELSE  
        SET qtr = 'Q4';  
    END IF;  
    RETURN qtr;  
END
```

NOTE  
MONTH (9,10,11) - Q1  
MONTH (12,1,2) - Q2  
MONTH (3,4,5) - Q3  
MONTH (6,7,8) - Q4



Result Grid	
Filter Rows:	
<code>gdb0041.get_fiscal_quarter('2021-09-01')</code>	
▶	Q1

# FUNCTIONS

## CREATE A FUNCTION FOR GET FISCAL YEAR

```
CREATE DEFINER='root'@'localhost' FUNCTION `get_fiscal_year`(  
calender_date DATE) RETURNS int
```

DETERMINISTIC

BEGIN

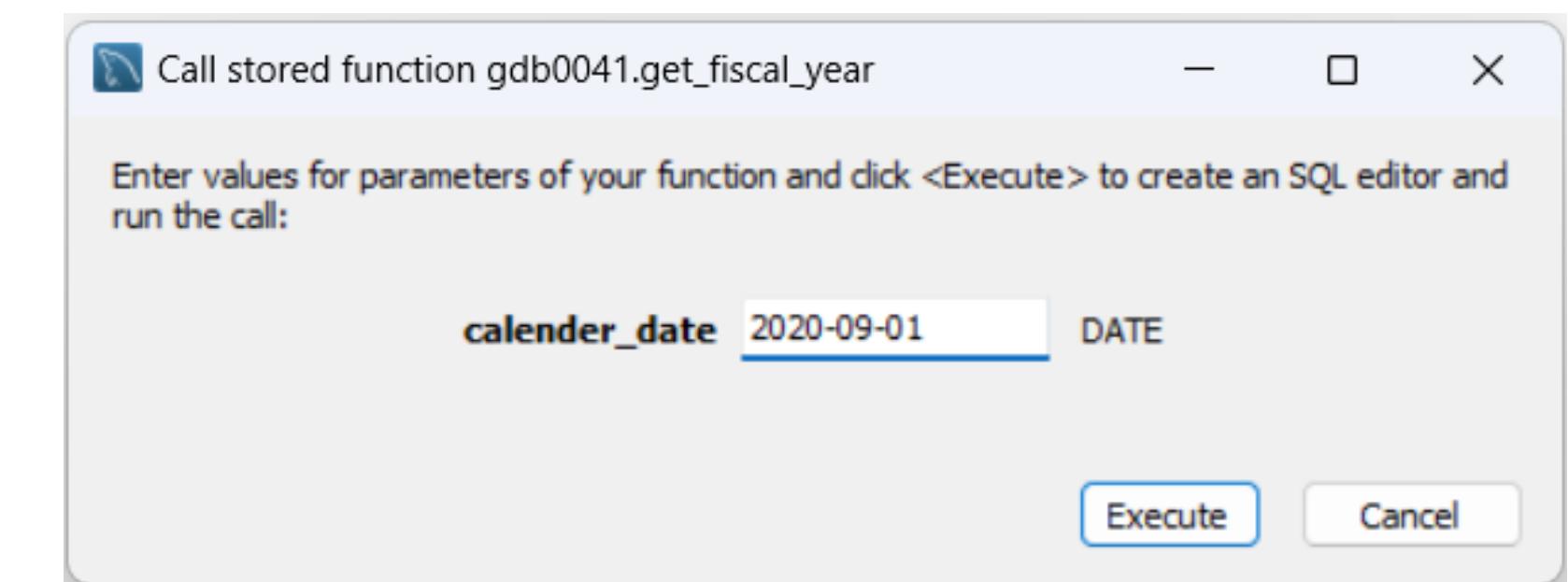
```
DECLARE fiscal_year INT ;
```

```
SET fiscal_year = YEAR(DATE_ADD(calender_date, INTERVAL 4 MONTH));
```

```
RETURN fiscal_year;
```

```
END
```

NOTE : Fiscal Year starts from september



Result Grid		Filter Rows:
	<a href="#">gdb0041.get_fiscal_year('2020-09-01')</a>	
▶	2021	

# QUERY

**FIND OUT THE CUSTOMER CODE FOR CROMA**

```
SELECT  
*  
FROM  
dim_customer  
WHERE  
customer LIKE '%croma%'
```

NOTE : WE CLEARLY SEE THAT CUSTOMER\_CODE FOR CROMA  
90002002

USING THIS CUSTOMER CODE WE CAN DO FURTHER ANALYSIS

Result Grid				Filter Rows:		Edit:				Export/Imp
	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

## CROMA INDIA PRODUCT WISE SALES REPORT FOR FISCAL YEAR 2021

```
SELECT
    s.date,
    s.product_code,
    p.product,
    p.variant,
    s.sold_quantity,
    g.gross_price,
    round((g.gross_price*s.sold_quantity),2) as gross_price_total
FROM
    fact_sales_monthly AS s
        JOIN
    dim_product AS p ON p.product_code = s.product_code
        JOIN
    fact_gross_price AS g ON g.product_code = s.product_code
        AND GET_FISCAL_YEAR(s.date)
WHERE
    customer_code = 90002002
        AND GET_FISCAL_YEAR(date) = 2021
ORDER BY date DESC;
```

	date	product_code	product	variant	sold_quantity	gross_price	gross_price_total
▶	2021-08-01	A7321160303	AQ Wi Power Dx3	Premium	158	42.8483	6770.03
	2021-08-01	A7321160303	AQ Wi Power Dx3	Premium	158	43.5559	6881.83
	2021-08-01	A7321160302	AQ Wi Power Dx3	Plus	193	43.9446	8481.31
	2021-08-01	A7321160302	AQ Wi Power Dx3	Plus	193	46.0399	8885.70
	2021-08-01	A7321160301	AQ Wi Power Dx3	Standard	459	40.7954	18725.09
	2021-08-01	A7321160301	AQ Wi Power Dx3	Standard	459	44.6260	20483.33
	2021-08-01	A7220160203	AQ Wi Power Dx2	Premium	586	37.9161	22218.83
	2021-08-01	A7220160203	AQ Wi Power Dx2	Premium	586	37.4784	21962.34
	2021-08-01	A7220160203	AQ Wi Power Dx2	Premium	586	40.3168	23625.64
	2021-08-01	A7220160202	AQ Wi Power Dx2	Plus	264	35.3708	9337.89
	2021-08-01	A7220160202	AQ Wi Power Dx2	Plus	264	35.2053	9294.20
	2021-08-01	A7220160202	AQ Wi Power Dx2	Plus	264	39.3233	10381.35
	2021-08-01	A7219160201	AQ Wi Power Dx2	Standard	531	25.0129	13281.85
	2021-08-01	A7219160201	AQ Wi Power Dx2	Standard	531	28.4140	15087.83
	2021-08-01	A7219160201	AQ Wi Power Dx2	Standard	531	32.9575	17500.43
	2021-08-01	A7219160201	AQ Wi Power Dx2	Standard	531	35.1412	18659.98
	2021-08-01	A7119160103	AQ Wi Power Dx1	Premium	137	24.8075	3398.63
	2021-08-01	A7119160103	AQ Wi Power Dx1	Premium	137	29.1765	3997.18
	2021-08-01	A7119160103	AQ Wi Power Dx1	Premium	137	28.7736	3941.98
	2021-08-01	A7119160102	AQ Wi Power Dx1	Plus	454	23.6404	10732.74
	2021-08-01	A7119160102	AQ Wi Power Dx1	Plus	454	28.8886	13115.42

# QUERY

## CROMA INDIA MONTHLY SALES REPORT

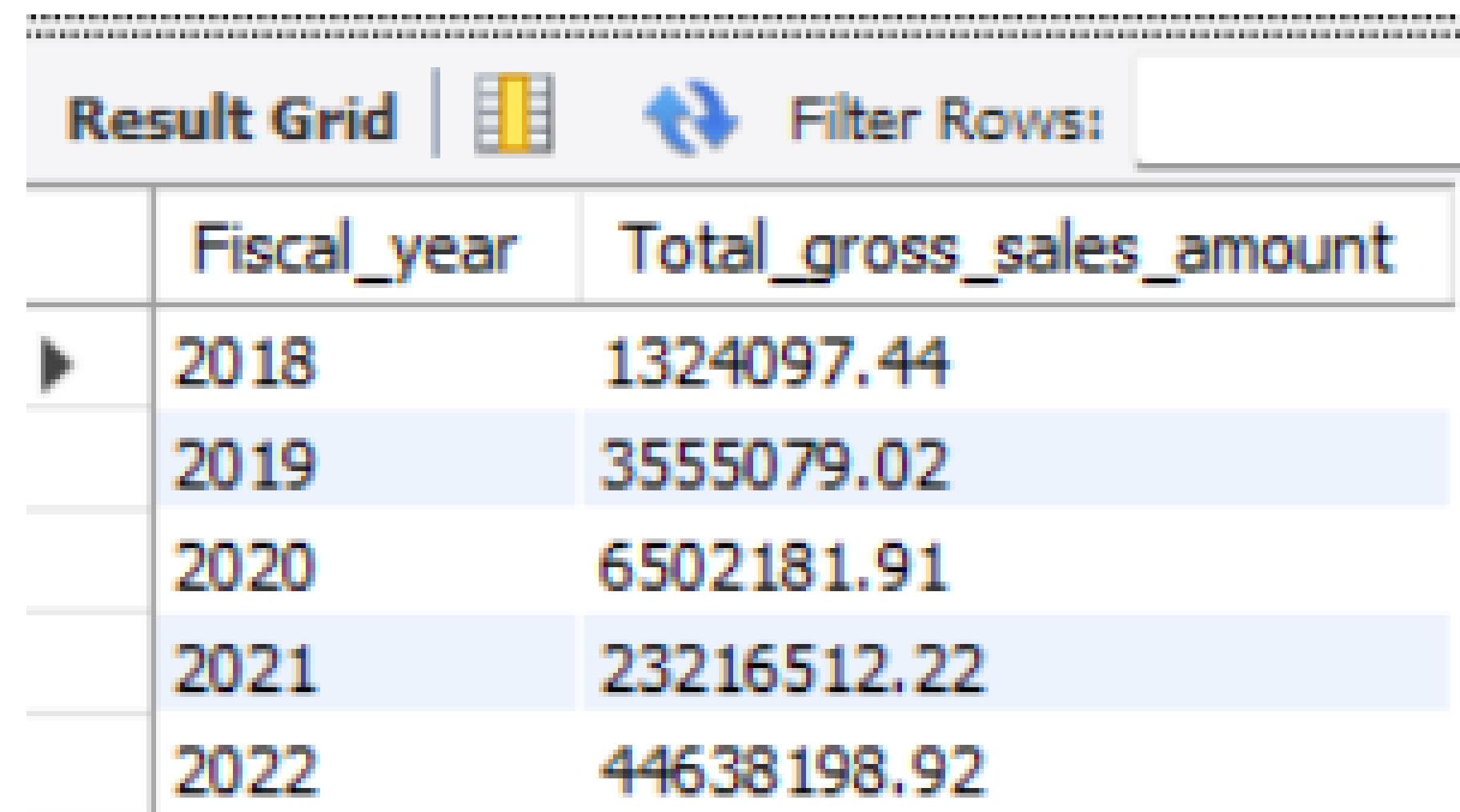
```
SELECT YEAR(s.date) as Year,  
MONTHNAME(s.date) as month,  
SUM(g.gross_price*s.sold_quantity) as Total_gross_price  
FROM fact_sales_monthly as s  
JOIN fact_gross_price as g  
ON g.product_code = s.product_code  
AND g.fiscal_year = get_fiscal_year(s.date)  
WHERE customer_code = 90002002  
GROUP BY s.date  
ORDER BY s.date ASC
```

	Year	month	Total_gross_price
▶	2017	September	122407.5582
	2017	October	162687.5716
	2017	December	245673.8042
	2018	January	127574.7372
	2018	February	144799.5182
	2018	April	130643.8976
	2018	May	139165.0975
	2018	June	125735.3786
	2018	August	125409.8801
	2018	September	343337.1651
	2018	October	440562.0754
	2018	December	653944.7486
	2019	January	359025.0186
	2019	February	356607.1729
	2019	April	379549.6850
	2019	May	340152.2349

# QUERY

## CROMA INDIA YEARLY SALES REPORT

```
SELECT
    get_fiscal_year(date) AS Fiscal_year,
    ROUND(SUM(g.gross_price*sold_quantity),2) as Total_gross_sales_amount
FROM
    fact_sales_monthly AS s
    JOIN
    fact_gross_price AS g ON g.product_code = s.product_code
    AND g.fiscal_year = GET_FISCAL_YEAR(s.date)
WHERE
    customer_code = 90002002
GROUP BY get_fiscal_year(date)
ORDER BY Fiscal_year ASC
```



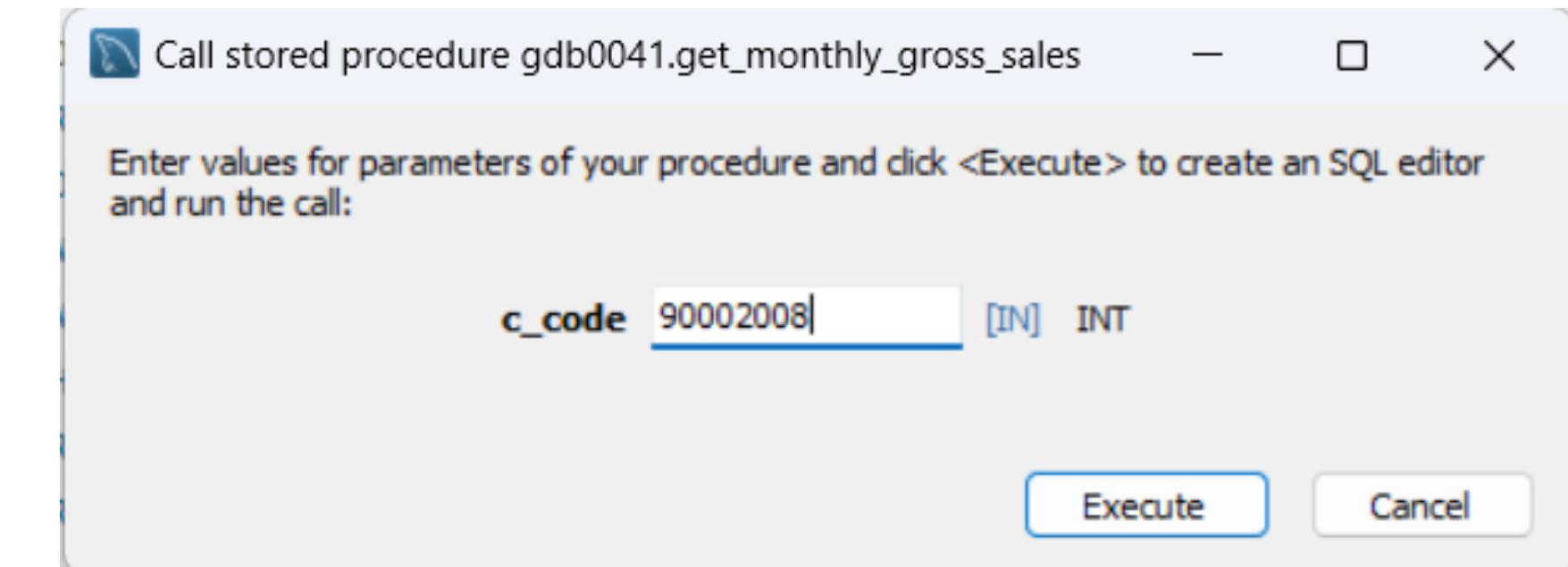
The screenshot shows a data visualization interface with a result grid. The grid has two columns: 'Fiscal\_year' and 'Total\_gross\_sales\_amount'. The data is as follows:

	Fiscal_year	Total_gross_sales_amount
▶	2018	1324097.44
▶	2019	3555079.02
▶	2020	6502181.91
▶	2021	23216512.22
▶	2022	44638198.92

# STORE PROCEDURE

## CREATE A STORE PROCEDURE FOR MONTHLY GROSS SALES

```
CREATE DEFINER='root'@'localhost' PROCEDURE `get_monthly_gross_sales`(  
c_code INT  
)  
BEGIN  
SELECT YEAR(s.date) as Year,  
MONTHNAME(s.date) as month,  
ROUND(SUM(g.gross_price*s.sold_quantity),2) as Total_gross_price  
FROM fact_sales_monthly as s  
JOIN fact_gross_price as g  
ON g.product_code = s.product_code  
AND g.fiscal_year = get_fiscal_year(s.date)  
WHERE customer_code = c_code  
GROUP BY s.date  
ORDER BY s.date ASC;  
END
```

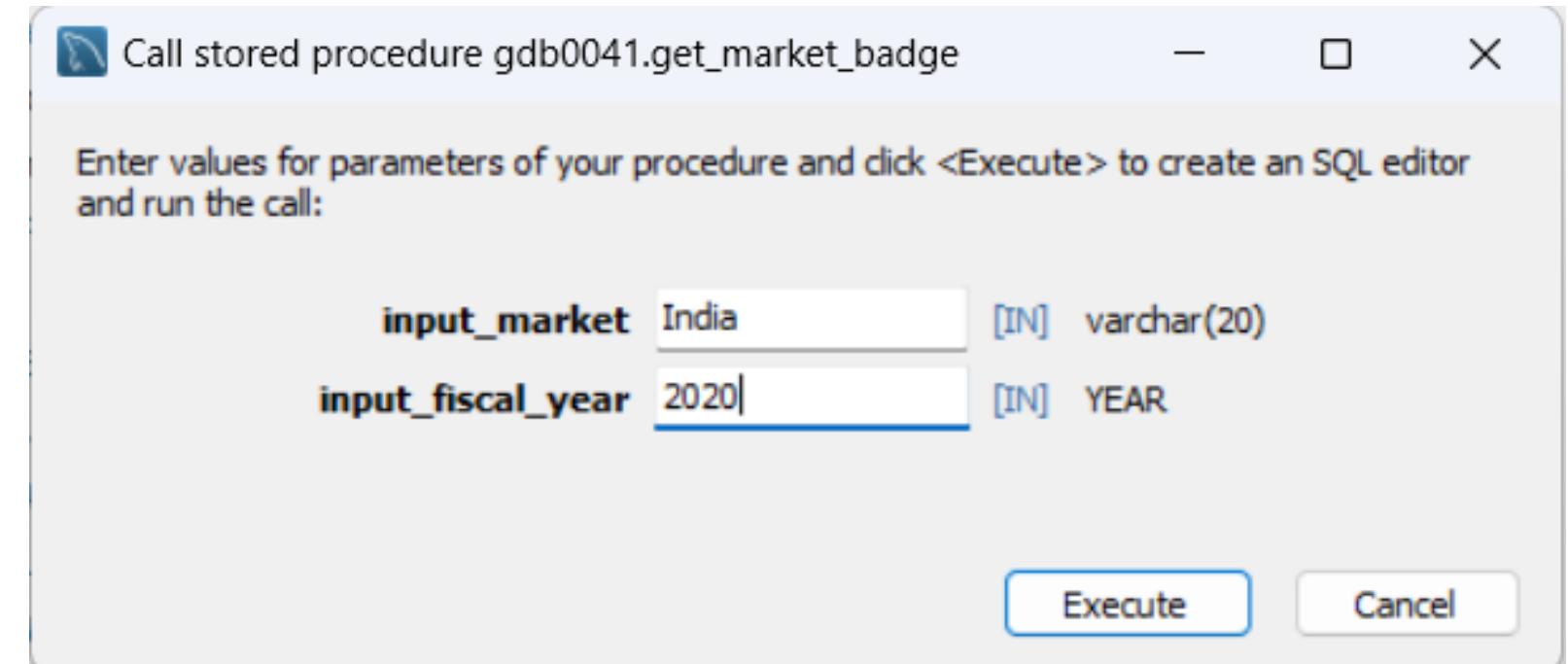


	Year	month	Total_gross_price
▶	2017	October	273977.43
	2017	November	354738.64
	2017	December	367282.43
	2018	February	216000.81
	2018	March	245298.47
	2018	April	237801.04
	2018	June	223228.83
	2018	July	213691.77
	2018	August	218390.66
	2018	October	745687.39
	2018	November	935890.85
	2018	December	1026330.72
	2019	January	540000.00

# STORE PROCEDURE

## CREATE A STORE PROCEDURE FOR MARKET BADGE

```
CREATE DEFINER='root'@'localhost' PROCEDURE `get_market_badge`(  
input_market varchar(20),  
input_fiscal_year YEAR)  
BEGIN  
  
# If anyone does not put market then the default market should be India  
IF input_market = " " THEN  
SET input_market = "India";  
END IF;  
  
SELECT  
    d.market,  
CASE WHEN SUM(sold_quantity) > 5000000 THEN "Gold"  
ELSE "Silver"  
END AS Market_Badge  
FROM dim_customer AS d  
JOIN fact_sales_monthly as s  
ON d.customer_code = s.customer_code  
WHERE d.market = input_market AND get_fiscal_year(s.date)= input_fiscal_year  
GROUP BY d.market;  
END
```



Result Grid		Filter Rows:
market	Market_Badge	
India	Gold	

# VIEWS

## CREATE A VIEW FOR PRE INVOICE DISCOUNT

CREATE

ALGORITHM = UNDEFINED

DEFINER = `root`@`localhost`

SQL SECURITY DEFINER

VIEW `sales\_preinv\_discount` AS

SELECT

```
`s`.`date` AS `date`, `s`.`fiscal_year` AS `fiscal_year`,  
 `s`.`customer_code` AS `customer_code`, `c`.`market` AS `market`,  
 `s`.`product_code` AS `product_code`, `p`.`product` AS `product`,  
 `p`.`variant` AS `variant`, `s`.`sold_quantity` AS `sold_quantity`,  
 `g`.`gross_price` AS `gross_price_per_item`,  
 ROUND(`s`.`sold_quantity` * `g`.`gross_price`),2) AS `gross_price_total`,  
 `pre`.`pre_invoice_discount_pct` AS `pre_invoice_discount_pct`
```

FROM

```
(((`fact_sales_monthly` `s`  
JOIN `dim_customer` `c` ON ((`s`.`customer_code` = `c`.`customer_code`)))  
JOIN `dim_product` `p` ON ((`s`.`product_code` = `p`.`product_code`)))  
JOIN `fact_gross_price` `g` ON (((`g`.`fiscal_year` = `s`.`fiscal_year`)  
 AND (`g`.`product_code` = `s`.`product_code`)))  
 JOIN `fact_pre_invoice_deductions` `pre` ON (((`pre`.`customer_code` =  
 `s`.`customer_code`)  
 AND (`pre`.`fiscal_year` = `s`.`fiscal_year'))))
```

	variant	sold_quantity	gross_price_per_item	gross_price_total	pre_invoice_discount_pct
...	Standard	51	15.3952	785.16	0.0824
...	Standard	77	15.3952	1185.43	0.2956
...	Standard	17	15.3952	261.72	0.0536
...	Standard	6	15.3952	92.37	0.2378
...	Standard	5	15.3952	76.98	0.1057
...	Standard	7	15.3952	107.77	0.1875
...	Standard	29	15.3952	446.46	0.0700
...	Standard	34	15.3952	523.44	0.2551
...	Standard	22	15.3952	338.69	0.0953
...	Standard	5	15.3952	76.98	0.1896
...	Standard	10	15.3952	153.95	0.0521
...	Standard	4	15.3952	61.58	0.2046
...	Standard	0	15.3952	0.00	0.0984
...	Standard	0	15.3952	0.00	0.2620
...	Standard	1	15.3952	15.40	0.0587
...	Standard	1	15.3952	15.40	0.2501
...	Standard	1	15.3952	15.40	0.1937
...	Standard	20	15.3952	307.90	0.2025

# VIEWS

## CREATE A VIEW FOR POST INVOICE DISCOUNT

CREATE

ALGORITHM = UNDEFINED

DEFINER = `root`@`localhost`

SQL SECURITY DEFINER

VIEW `sales\_postinv\_discount` AS

SELECT

```
`s`.`date` AS `date`, `s`.`fiscal_year` AS `fiscal_year`,  
 `s`.`customer_code` AS `customer_code`, `s`.`market` AS `market`,  
 `s`.`product_code` AS `product_code`, `s`.`product` AS `product`,  
 `s`.`variant` AS `variant`, `s`.`sold_quantity` AS `sold_quantity`,  
 `s`.`gross_price_total` AS `gross_price_total`,  
 `s`.`pre_invoice_discount_pct` AS `pre_invoice_discount_pct`,  
 (`s`.`gross_price_total` - ( `s`.`pre_invoice_discount_pct` * `s`.`gross_price_total` )) AS  
 `net_invoice_sales`,  
 ( `po`.`discounts_pct` + `po`.`other_deductions_pct` ) AS  
 `post_invoice_discount_pct`  
 FROM  
 (`sales_preinv_discount` `s`  
 JOIN `fact_post_invoice_deductions` `po` ON (((`po`.`customer_code` =  
 `s`.`customer_code`)  
 AND (`po`.`product_code` = `s`.`product_code`)  
 AND (`po`.`date` = `s`.`date`))))
```

Fetch rows: 						
	variant	sold_quantity	gross_price_total	pre_invoice_discount_pct	net_invoice_sales	post_invoice_discount_pct
...	Standard	4	61.58	0.2803	44.319126	0.3905
...	Standard	16	246.32	0.2803	177.276504	0.4139
...	Standard	4	61.58	0.2803	44.319126	0.3295
...	Standard	6	92.37	0.2803	66.478689	0.3244
...	Standard	9	138.56	0.2803	99.721632	0.3766
...	Standard	6	92.37	0.2803	66.478689	0.3615
...	Standard	7	107.77	0.2803	77.562069	0.3173
...	Standard	10	153.95	0.2803	110.797815	0.3501
...	Standard	6	92.37	0.2803	66.478689	0.3740
...	Standard	4	61.58	0.2117	48.543514	0.2863
...	Standard	2	30.79	0.2117	24.271757	0.2851
...	Standard	3	46.19	0.2117	36.411577	0.2882
...	Standard	5	76.98	0.2117	60.683334	0.3334
...	Standard	1	15.40	0.2117	12.139820	0.3296
...	Standard	1	15.40	0.2117	12.139820	0.2901
...	Standard	5	76.98	0.2117	60.683334	0.3233
...	Standard	1	15.40	0.2117	12.139820	0.3095
...	Standard	1	15.40	0.2117	12.139820	0.3209
...	Standard	2	30.79	0.2171	24.105491	0.3051
...	...	...	...	...	...	...

# VIEWS

## CREATE A VIEW FOR NET SALES

```
CREATE  
ALGORITHM = UNDEFINED  
DEFINER = `root`@`localhost`  
SQL SECURITY DEFINER  
VIEW `net_sales` AS  
SELECT  
*,  
      ((1 - `sales_postinv_discount`.`post_invoice_discount_pct`) *  
`sales_postinv_discount`.`net_invoice_sales`) AS `net_sales`  
FROM  
`sales_postinv_discount`
```

variant	sold_quantity	gross_price_total	pre_invoice_discount_pct	net_invoice_sales	post_invoice_discount_pct	net_sales
... Standard	4	61.58	0.2803	44.319126	0.3905	27.0125072970
... Standard	16	246.32	0.2803	177.276504	0.4139	103.9017589944
... AQ Dracula HDD – 3.5 Inch SATA 6 Gb/s 5400 RPM 256 MB Cache				44.319126	0.3295	29.7159739830
... Standard	6	92.37	0.2803	66.478689	0.3244	44.9130022884
... Standard	9	138.56	0.2803	99.721632	0.3766	62.1664653888
... Standard	6	92.37	0.2803	66.478689	0.3615	42.4466429265
... Standard	7	107.77	0.2803	77.562069	0.3173	52.9516245063
... Standard	10	153.95	0.2803	110.797815	0.3501	72.0074999685
... Standard	6	92.37	0.2803	66.478689	0.3740	41.6156593140
... Standard	4	61.58	0.2117	48.543514	0.2863	34.6455059418
... Standard	2	30.79	0.2117	24.271757	0.2851	17.3518790793
... Standard	3	46.19	0.2117	36.411577	0.2882	25.9177605086
... Standard	5	76.98	0.2117	60.683334	0.3334	40.4515104444
... Standard	1	15.40	0.2117	12.139820	0.3296	8.1385353280
... Standard	1	15.40	0.2117	12.139820	0.2901	8.6180582180
... Standard	5	76.98	0.2117	60.683334	0.3233	41.0644121178
... Standard	1	15.40	0.2117	12.139820	0.3095	8.3825457100
... Standard	1	15.40	0.2117	12.139820	0.3209	8.2441517620
... Standard	2	30.79	0.2171	24.105491	0.3051	16.7509056959
...	...	...	...	...	...	...

# VIEWS

## CREATE A VIEW FOR GROSS SALES

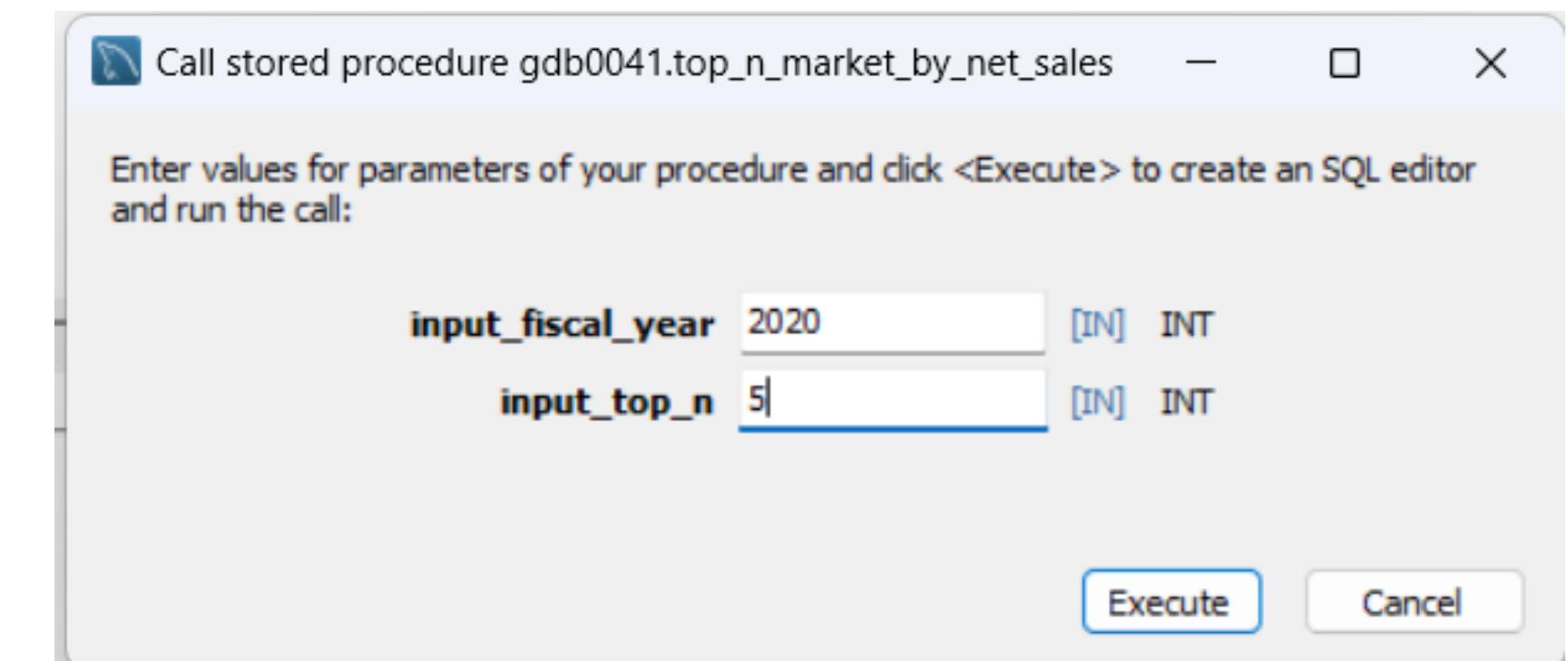
```
CREATE  
ALGORITHM = UNDEFINED  
DEFINER = `root`@`localhost`  
SQL SECURITY DEFINER  
VIEW `gross_sales` AS  
SELECT  
  `s`.`date` AS `date`, `g`.`fiscal_year` AS `fiscal_year`,  
  `c`.`customer_code` AS `customer_code`,  
  `c`.`customer` AS `customer`, `c`.`market` AS `market`,  
  `d`.`product_code` AS `product_code`, `d`.`product` AS `product`,  
  `d`.`variant` AS `variant`,  
  `s`.`sold_quantity` AS `sold_quantity`,  
  `g`.`gross_price` AS `gross_price_per_item`,  
  ROUND(`g`.`gross_price` * `s`.`sold_quantity`),  
  2) AS `gross_price_total`  
FROM  
  ((`fact_sales_monthly` `s`  
  JOIN `dim_customer` `c` ON ((`c`.`customer_code` = `s`.`customer_code`)))  
  JOIN `fact_gross_price` `g` ON ((`g`.`product_code` = `s`.`product_code`)))  
  JOIN `dim_product` `d` ON ((`d`.`product_code` = `g`.`product_code`)))
```

	variant	sold_quantity	gross_price_per_item	gross_price_total
..	Standard	51	15.3952	785.16
..	Standard	51	14.4392	736.40
..	Standard	51	16.2323	827.85
..	Standard	51	19.0573	971.92
..	Standard	51	15.3952	1185.43
..	Standard	77	14.4392	1111.82
..	Standard	77	16.2323	1249.89
..	Standard	77	19.0573	1467.41
..	Standard	17	15.3952	261.72
..	Standard	17	14.4392	245.47
..	Standard	17	16.2323	275.95
..	Standard	17	19.0573	323.97
..	Standard	6	15.3952	92.37
..	Standard	6	14.4392	86.64
..	Standard	6	16.2323	97.39
..	Standard	6	19.0573	114.34
..	Standard	5	15.3952	76.98
..	Standard	5	14.4392	72.20
..	Standard	5	16.2323	81.16

# STORE PROCEDURE

## CREATE A STORE PROCEDURE FOR TOP N MARKET BY NET SALES

```
CREATE DEFINER='root'@'localhost' PROCEDURE `top_n_market_by_net_sales`(  
input_fiscal_year INT,  
input_top_n INT)  
BEGIN  
select market,  
round(sum(net_sales)/1000000,2) as net_sales_million  
from net_sales  
where fiscal_year = input_fiscal_year  
group by market  
order by net_sales_million desc  
limit input_top_n;  
END
```

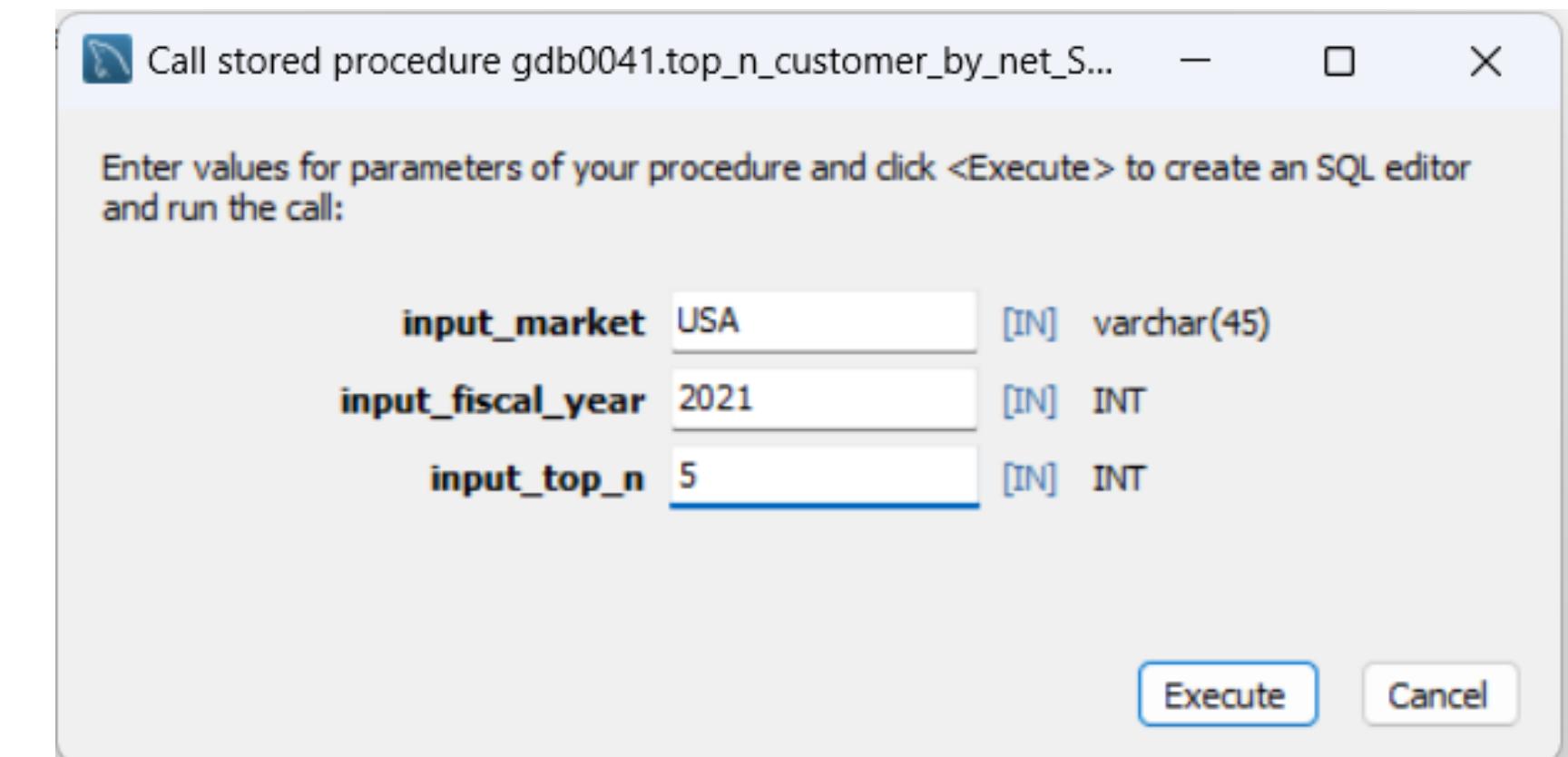


	market	net_sales_million
▶	India	64.73
	USA	46.35
	South Korea	22.38
	Philippines	17.45
	Canada	15.87

# STORE PROCEDURE

## CREATE A STORE PROCEDURE FOR TOP N CUSTOMER BY NET SALES

```
CREATE DEFINER='root'@'localhost' PROCEDURE `top_n_products_by_net_sales`(  
input_fiscal_year int,  
input_top_n int  
)  
BEGIN  
select product,  
round(sum(net_sales)/1000000,2) as net_sales_millions  
from net_sales  
where fiscal_year = input_fiscal_year  
group by product  
order by net_sales_millions desc  
limit input_top_n;  
END
```



Result Grid		
	customer	net_sales_millions
▶	Amazon	20.09
	Flipkart	10.35
	Atliq Exclusive	10.15
	Path	9.10
	Ebay	8.74

# STORE PROCEDURE

## CREATE A STORE PROCEDURE FOR TOP N PRODUCTS BY NET SALES

```
CREATE DEFINER='root'@'localhost' PROCEDURE `top_n_customer_by_net_Sales`(  
input_market varchar(45),  
input_fiscal_year INT,  
input_top_n INT)  
BEGIN  
select c.customer,  
round(sum(net_sales)/1000000,2) as net_sales_millions  
from net_sales as s  
join dim_customer as c  
on s.customer_code = c.customer_code  
where fiscal_year = input_fiscal_year and s.market = input_market  
group by c.customer  
order by net_sales_millions desc  
limit input_top_n;  
END
```

Call stored procedure gdb0041.top\_n\_products\_by\_net\_s...

Enter values for parameters of your procedure and click <Execute> to create an SQL editor and run the call:

input\_fiscal\_year 2019 [IN] int  
input\_top\_n 5 [IN] int

Execute Cancel

Result Grid | Filter Rows:

	product	net_sales_millions
▶	AQ Wi Power Dx1	12.93
	AQ Neuer SSD	7.64
	AQ Gamers	6.35
	AQ Digit SSD	6.20
	AQ BZ Compact	5.69

# QUERY

## REGION WISE MARKET SHARE %

```
with cte as (select c.customer,c.region,
round(sum(net_sales)/1000000,2) as net_sales_millions
from net_sales as s
join dim_customer as c
on s.customer_code = c.customer_code
where s.fiscal_year = 2021
group by c.customer,c.region)

select *,
net_sales_millions*100/sum(net_sales_millions) over (partition by region) as
contribution_pct
from cte
order by region,net_sales_millions desc
```

	customer	region	net_sales_millions	contribution_pct
▶	Amazon	APAC	57.41	12.988688
	Atliq Exclusive	APAC	51.58	11.669683
	Atliq e Store	APAC	36.97	8.364253
	Leader	APAC	24.52	5.547511
	Sage	APAC	22.85	5.169683
	Neptune	APAC	21.01	4.753394
	Electricalsociety	APAC	16.25	3.676471
	Propel	APAC	14.14	3.199095
	Synthetic	APAC	14.14	3.199095
	Flipkart	APAC	12.96	2.932127
	Novus	APAC	12.91	2.920814
	Expression	APAC	12.90	2.918552
	Girias	APAC	11.30	2.556561
	Vijay Sales	APAC	11.27	2.549774
	Ebay	APAC	11.14	2.520362
	Reliance Digital	APAC	11.10	2.511312
	Electricalslytical	APAC	11.08	2.506787
	Lotus	APAC	10.53	2.382353
	Ezone	APAC	10.30	2.330317
	...	...	...	-----

Result 2 X

# QUERY

## TOP 10 CUSTOMER BY % CONTRIBUTION BY NET SALES

```
with cte1 as (
  select customer,
    round(sum(net_sales)/1000000,2) as net_Sales_millions
  from net_sales as s
  join dim_customer as c
  on s.customer_code = c.customer_code
  where s.fiscal_year = 2021
  group by customer)

  select customer,
    net_sales_millions,
    net_sales_millions*100/sum(net_sales_millions) over() as contribution_pct
  from cte1
  group by customer
  order by net_sales_millions desc
  limit 10;
```

	customer	net_sales_millions	contribution_pct
▶	Amazon	109.03	13.233402
	Atliq Exclusive	79.92	9.700206
	Atliq e Store	70.31	8.533803
	Sage	27.07	3.285593
	Flipkart	25.25	3.064692
	Leader	24.52	2.976089
	Neptune	21.01	2.550067
	Ebay	19.88	2.412914
	Electricalsociety	16.25	1.972327
	Synthetic	16.10	1.954121



**THANK YOU**

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