

TOP MARKET

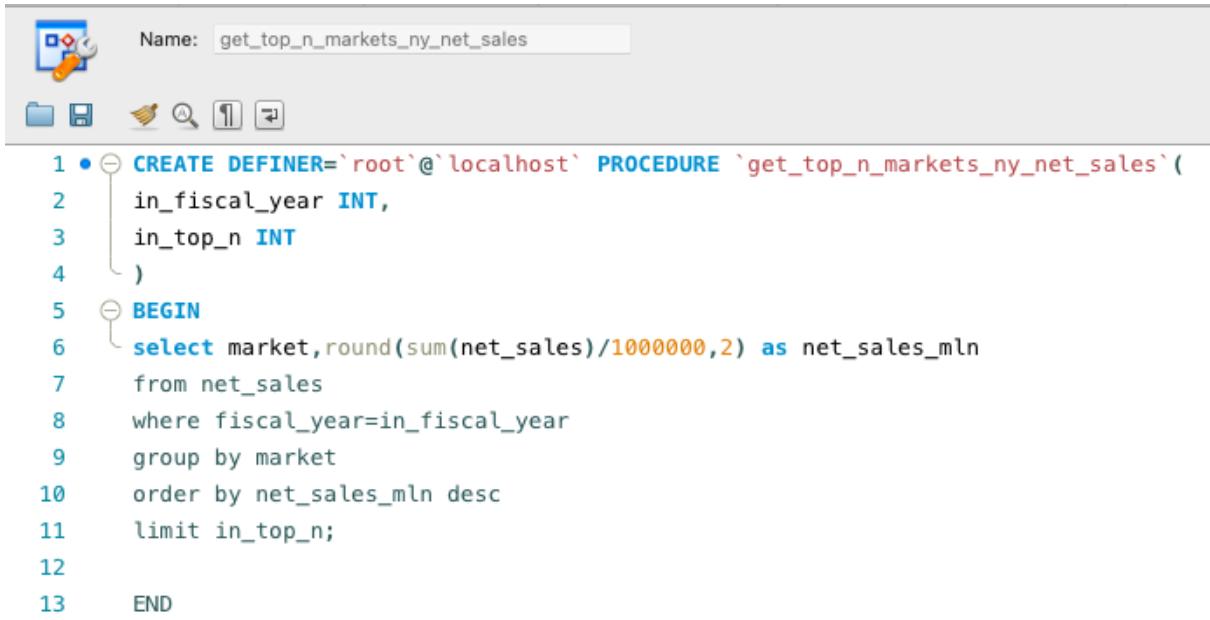
1. Get top 5 market by net sales in fiscal year 2021

```
SELECT
    market,
    round(sum(net_sales)/1000000,2) as net_sales_mln
FROM gdb0041.net_sales
where fiscal_year=2021
group by market
order by net_sales_mln desc
limit 5
```

market	net_sales_mln
▶ India	210.67
USA	132.05
South Korea	64.01
Canada	45.89
United Kingdom	44.73

2. Stored proc to get top n markets by net sales for a given year

```
CREATE PROCEDURE `get_top_n_markets_by_net_sales`(
    in_fiscal_year INT,
    in_top_n INT
)
BEGIN
    SELECT
        market,
        round(sum(net_sales)/1000000,2) as net_sales_mln
    FROM net_sales
    where fiscal_year=in_fiscal_year
    group by market
    order by net_sales_mln desc
    limit in_top_n;
END
```



The screenshot shows the MySQL Workbench interface with a stored procedure named 'get_top_n_markets_ny_net_sales'. The code is as follows:

```
1 • CREATE DEFINER='root'@'localhost' PROCEDURE `get_top_n_markets_ny_net_sales`(
2     in_fiscal_year INT,
3     in_top_n INT
4 )
5 BEGIN
6     select market,round(sum(net_sales)/1000000,2) as net_sales_mln
7     from net_sales
8     where fiscal_year=in_fiscal_year
9     group by market
10    order by net_sales_mln desc
11    limit in_top_n;
12
13 END
```

3. Retrieve the top 2 markets in every region by their gross sales amount in FY=2021.

```
with cte1 as (
    select
        c.market,
        c.region,
        round(sum(sold_quantity)/1000000,2) as gross_sales_mln
    from fact_sales_monthly s
    join dim_customer c
    on c.customer_code=s.customer_code
    where fiscal_year=2021
    group by market,region
    order by gross_sales_mln desc
),
cte2 as (
    select *,
    dense_rank() over(partition by region order by gross_sales_mln
desc) as drnk
    from cte1
)
select * from cte2 where drnk<=2;
```

	market	region	gross_sales_mln	drnk
▶	India	APAC	13.75	1
◀	South Korea	APAC	3.95	2
▶	United Kingdom	EU	2.35	1
◀	France	EU	2.05	2
▶	Mexico	LATAM	0.07	1
◀	Brazil	LATAM	0.07	1
▶	Chile	LATAM	0.05	2
◀	USA	NA	7.95	1
▶	Canada	NA	2.70	2