

GLOBAL SUPERSTORE PROJECT

WITH SQL QUERIES

Question: Create
Database
globalSuperstore
and Find Top 5
Selling Products?

Creating Database
global_Superstore

- `create database global_Superstore;`
- `use global_Superstore;`

Find Top 10
Selling Products

Creating View

```
create view Top_5_Products as  
SELECT `Product Name`,  
SUM(CAST(REPLACE(REPLACE(`Sales`, '$', ''), ', ', '')) AS DECIMAL(10,2))) AS Total_Sale  
FROM global_superstore  
GROUP BY `Product Name`  
ORDER BY Total_Sale DESC  
LIMIT 5;
```

View

Top-selling Products:
`select * from Top_5_Products;`

Answer

Customer Name	Total_profit
Patrick Jones	3979.08
Patrick O'Donnell	3215.38
Dave Poirier	3158.76
Adam Bellavance	2696.82
Vivek Grady	2097.03

GLOBAL SUPERSTORE PROJECT

WITH SQL QUERIES

Question: Monthly
Sales Trend?

Finding Monthly
Sales Trend

Creating View

```
-- Monthly Sales Trend:
CREATE OR REPLACE VIEW Monthly_Sales AS
SELECT
    DATE_FORMAT(STR_TO_DATE(TRIM(`Order Date`), '%d/%m/%Y'), '%Y-%m') AS Month,
    SUM(CAST(REPLACE(REPLACE(Sales, '$', ''), ', ', '' ) AS DECIMAL(10,2))) AS Total_Sale
FROM
    global_superstore
WHERE
    `Order Date` IS NOT NULL AND Sales IS NOT NULL
GROUP BY
    DATE_FORMAT(STR_TO_DATE(TRIM(`Order Date`), '%d/%m/%Y'), '%Y-%m')
ORDER BY
    Month;
```

View

```
-- Monthly Sales Trend:
select * from Monthly_Sales
```

Answer

Month	Total_Sale
2012-01	2875.10
2012-02	4556.72
2012-03	3379.33
2012-04	257.75
2012-05	6712.26
2012-07	65.78
2012-08	1469.25
2012-09	6835.88

GLOBAL SUPERSTORE PROJECT

WITH SQL QUERIES

Question: Profit by
Region?

Finding Profit by
Region

Creating View

```
-- Monthly Sales Trend:
select * from Monthly_Sales

Profit by Region:
CREATE VIEW Total_Region_profit AS
Select Region,
SUM(CAST(REPLACE(REPLACE(Profit, '$', ''), ', ', '')) AS DECIMAL(10,2))) AS Total_profit
from global_superstore
group by Region
ORDER BY Total_Profit DESC;
```

View

```
-- Profit by Region:
Select * from Total_Region_profit;
```

Answer

Region	Total_profit
Oceania	10457.68
Southern Asia	8964.06
Western Europe	7902.07
Eastern Asia	5757.60
Southern Europe	5290.47
Central Africa	4057.38
Northern Europe	4038.87
North Africa	2710.56
South America	2404.90
Eastern US	1594.95

GLOBAL SUPERSTORE PROJECT

WITH SQL QUERIES

Question: Return
Rate by Region?

Finding Return Rate
by Region

Creating View

```
-- Return Rate by Region
CREATE OR REPLACE VIEW Return_Rate_By_Region AS
SELECT
    gs.Region,
    COUNT(r.`Order ID`) AS Returned_Orders,
    COUNT(gs.`Order ID`) AS Total_Orders,
    ROUND(COUNT(r.`Order ID`) / COUNT(gs.`Order ID`) * 100, 2) AS Return_Rate_Percent
FROM
    global_superstore gs
LEFT JOIN
    Returns r ON gs.`Order ID` = r.`Order ID`
GROUP BY
    gs.Region
HAVING Return_Rate_Percent > 0
ORDER BY Return_Rate_Percent DESC;
```

View

```
-- Return Rate by Region
select * from Return_Rate_By_Region
```

Answer

Region	Returned_Orders	Total_Orders	Return_Rate_Percent
Southern US	1	4	25.00
Eastern Asia	2	11	18.18
Oceania	2	18	11.11

GLOBAL SUPERSTORE PROJECT

WITH SQL QUERIES

Question: Top
Customer by
profits?

Finding Top
Customer by profits

Creating View

```
-- Top Customers by Profit
create view Total_Customer_Profit as
Select `Customer Name`,
SUM(CAST(REPLACE(REPLACE(Profit, '$', ''), ', ', '')) AS DECIMAL(10,2))) AS Total_profit
from global_superstore
group by `Customer Name`
order by Total_Profit desc
```

View

```
-- Top Customers by Profit
select * from Total_Customer_Profit;
```

Answer

Customer Name	Total_profit
Patrick Jones	3979.08
Patrick O'Donnell	3215.38
Dave Poirier	3158.76
Adam Bellavance	2696.82
Vivek Grady	2097.03
Laurel Beltran	1898.40
Odella Nelson	1868.13
John Huston	1727.02
Barry Weirich	1523.52
Henry MacAllister	1465.20
Aaron Hawkins	1433.88
Eugene Barchas	1364.24
Berenike Kampe	1192.86