

30_Pharmacy Analytics (Part 2)

Easy - Solution

Source - <https://datalemur.com/questions/non-profitable-drugs>

Running Notes

- Write a query to identify the manufacturers associated with the drugs that resulted in losses for CVS Health and calculate the total amount of losses incurred.
- Output the manufacturer's name, the number of drugs associated with losses, and the total losses in absolute value.
- **cogs** stands for Cost of Goods Sold which is the direct cost associated with producing the drug.
- Total Profit = Total Sales - Cost of Goods Sold

```
WITH profit_CTE AS (SELECT manufacturer,  
total_sales - cogs AS total_profit  
FROM pharmacy_sales)
```

```
SELECT manufacturer, count(manufacturer), SUM(ABS(total_profit))  
FROM profit_CTE  
WHERE total_profit < 0  
GROUP BY manufacturer
```

- Display the results sorted in descending order with the highest losses displayed at the top.

```
WITH profit_CTE AS (SELECT manufacturer,  
total_sales - cogs AS total_profit  
FROM pharmacy_sales)
```

```
SELECT manufacturer, count(manufacturer), SUM(ABS(total_profit))
```

```
FROM profit_CTE  
WHERE total_profit < 0  
GROUP BY manufacturer  
ORDER BY SUM(ABS(total_profit)) DESC
```

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