

Pharmacy Analytics (Part 1) [CVS Health SQL Interview Question]

CVS Health is trying to better understand its pharmacy sales, and how well different products are selling. Each drug can only be produced by one manufacturer.

Write a query to find the top 3 most profitable drugs sold, and how much profit they made. Assume that there are no ties in the profits. Display the result from the highest to the lowest total profit.

Definition:

- `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

If you like this question, try out [Pharmacy Analytics \(Part 2\)](#)!

`pharmacy_sales` Table:

Column Name	Type
product_id	integer
units_sold	integer
total_sales	decimal
cogs	decimal
manufacturer	varchar
drug	varchar

`pharmacy_sales` Example Input:

product_id	units_sold	total_sales	cogs	manufacturer	drug
9	37410	293452.54	208876.01	Eli Lilly	Zyprexa

product_id	units_sold	total_sales	cogs	manufacturer	drug
34	94698	600997.19	521182.16	AstraZeneca	Surmontil
61	77023	500101.61	419174.97	Biogen	Varicose Relief
136	144814	1084258	1006447.73	Biogen	Burkhardt

Example Output:

drug	total_profit
Zyprexa	84576.53
Varicose Relief	80926.64
Surmontil	79815.03

Explanation:

Zyprexa made the most profit (of \$84,576.53) followed by Varicose Relief (of \$80,926.64) and Surmontil (of \$79,815.3).

The dataset you are querying against may have different input & output - **this is just an example!**