

# Pharmacy Analytics (Part 1)

## [CVS Health]

1. Calculate the total profit

**Total Profit = Total Sales -  
Cost of Goods Sold**

2. Sort the result in descending order

**ORDER BY clause with DESC**

3. Limit the result to display the top 3 most profitable drugs.

**LIMIT clause**

```
SELECT  
drug,total_sales-cogs AS  
total_profit  
  
FROM pharmacy_sales  
  
ORDER BY total_profit DESC  
  
LIMIT 3;
```

## Pharmacy Analytics (Part 2)

### [CVS Health]

1. Count the number of drugs using **COUNT()**
2. Calculate the the total loss  
  
**Total Loss= Total Sales - Cost of Goods Sold**
3. Calculate how much money they lost using **SUM()**
4. And add the condition using **WHERE clause**
5. **ABS** function used to return the absolute values.
6. Sort the result in descending order-**ORDER BY clause with DESC**

```
SELECT manufacturer,  
COUNT(drug) AS drug_count,  
ABS(SUM(total_sales - cogs))  
AS total_loss  
  
FROM pharmacy_sales  
  
WHERE total_sales - cogs <= 0  
  
GROUP BY manufacturer  
  
ORDER BY total_loss DESC;
```

## Pharmacy Analytics (Part 3)

### [CVS Health]

1. Find total sales by manufacturer using **SUM()**
2. Convert total sales to million-dollar format using **CONCAT**
3. Round to the closest million using **ROUND()**
4. Sort the result in descending order-**ORDER BY** clause with **DESC**

```
SELECT manufacturer,  
CONCAT('$',ROUND(SUM(total_sales) / 1000000), ' million')  
AS sale  
  
FROM pharmacy_sales  
  
GROUP BY manufacturer  
  
ORDER BY SUM(total_sales)  
DESC;
```