**Day 25 – Data Analyst Interview Question**

***Problem Statement:***

Analyse the given input table and come up with output as shown.

We have to count number of apple products in both product\_1 and product\_2 column. The product should always start with ‘Apple’ and no other character

***Input***:

|  |  |  |
| --- | --- | --- |
| **INPUT** | | |
| **STORE\_ID** | **PRODUCT\_1** | **PRODUCT\_2** |
| 1 | Apple - IPhone | Apple - MacBook Pro |
| 1 | Apple - AirPods | Samsung - Galaxy Phone |
| 2 | Apple\_IPhone | Apple: Phone |
| 2 | Google Pixel | apple: Laptop |
| 2 | Sony: Camera | Apple Vision Pro |
| 3 | samsung - Galaxy Phone | mapple notebook |

**Expected Output**

|  |  |  |
| --- | --- | --- |
| **EXPECTED OUTPUT** | | |
| **STORE\_ID** | **PRODUCT\_1** | **PRODUCT\_2** |
| 1 | 2 | 1 |
| 2 | 1 | 3 |
| 3 | 0 | 0 |

**SOLUTION**

select store\_id,

sum(case when product\_1 like 'apple%' then 1 else 0 end) as Product\_1,

sum(case when trim(product\_2)like 'apple%' then 1 else 0 end) as Product\_2

from product\_demo

GROUP by store\_id;

***OUTPUT***

