

Question:

Day 21 of SQL Advent Calendar

Today's Question:

Santa needs to optimize his sleigh for Christmas deliveries. Write a query to calculate the total weight of gifts for each recipient type (good or naughty) and determine what percentage of the total weight is allocated to each type. Include the recipient_type, total_weight, and weight_percentage in the result.

Table name: gifts

gift_id	gift_name	recipient_type	weight_kg
1	Toy Train	good	2.5
2	Lumps of Coal	naughty	1.5
3	Teddy Bear	good	1.2
4	Chocolate Bar	good	0.3
5	Board Game	naughty	1.8

Question level of difficulty: Hard 

SQL Query:

```
1 SELECT recipient_type,
2    SUM(weight_kg) AS total_weight,
3    (SUM(weight_kg)*100/(SELECT SUM(weight_kg) FROM gifts)) AS weight_percentage
4 FROM gifts
5 GROUP BY recipient_type;
```

Output:

RECIPIENT_TYPE	TOTAL_WEIGHT	WEIGHT_PERCENTAGE
good	4	54.794520547945204
naughty	3.3	45.205479452054796

Correct!!! 🎁 Great work!