# 3050. Pizza Toppings Cost Analysis Premium Medium 🗘 Topics

SQL Schema > Pandas Schema >

Table: Toppings

Column Name	Type	
topping_name   cost	varchar   decimal	

topping\_name is the primary key for this table.

Each row of this table contains topping name and the cost of the topping.

Write a solution to calculate the total cost of all possible 3 -topping pizza combinations from a given list of toppings. The total cost of toppings must be rounded to 2 decimal places.

### Note:

- Do not include the pizzas where a topping is repeated. For example, 'Pepperoni, Pepperoni, Onion Pizza'.
- Toppings must be listed in alphabetical order. For example, 'Chicken, Onions, Sausage'. 'Onion, Sausage, Chicken' is not acceptable.

Return the result table ordered by total cost in **descending** order and combination of toppings in **ascending** order.

The result format is in the following example.

#### Example 1:

## Input:

Toppings table:

topping_name	cost
Pepperoni	0.50
Sausage	0.70
Chicken	0.55
Extra Cheese	0.40

## Output:

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pizza	total_cost
Chicken, Pepperoni, Sausage	1.75
Chicken, Extra Cheese, Sausage	1.65
Extra Cheese, Pepperoni, Sausage	1.60
Chicken, Extra Cheese, Pepperoni	1.45

#### Explanation:

There are only four different combinations possible with the three topings:

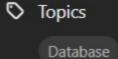
- Chicken, Pepperoni, Sausage: Total cost is \$1.75 (Chicken \$0.55, Pepperoni \$0.50, Sausage \$0.70).
- Chicken, Extra Cheese, Sausage: Total cost is \$1.65 (Chicken \$0.55, Extra Cheese \$0.40, Sausage \$0.70).
- Extra Cheese, Pepperoni, Sausage: Total cost is \$1.60 (Extra Cheese \$0.40, Pepperoni \$0.50, Sausage \$0.70).
- Chicken, Extra Cheese, Pepperoni: Total cost is \$1.45 (Chicken \$0.55, Extra Cheese \$0.40, Pepperoni \$0.50).

Output table is ordered by the total cost in descending order.

Seen this question in a real interview before? 1/5



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Discussion (1)