

Item code

table 1

Item code	item decription	Date
1234	Widget 1	
5687	widget 2	
6845	widget 3	
9248	widget 4	

Core Variation

table 2

Item Code	core variations	Ing 1	qty %	ing 2	qty %
1234	variation 1				
	variation 2				
	variation 3				
	variation 4				
	variation 5				
5687	variation 1				
	variation 2				
	variation 3				
	variation 4				
	variation 5				
6845	variation 1				
	variation 2				
	variation 3	Flour	25%	Water	75%
	variation 4				
	variation 5				
9248	variation 1				
	variation 2				
	variation 3				
	variation 4				
	variation 5				

Ingredient levels (based on total variation)

table 3

item code	ingredient qty.	Ing 1	qty %	ing 2	qty %	ing 3	qty %
		steel		tires		windows	
1234	variation 1						
	variation 2						
	variation 3						
	variation 4						
	variation 5						
5687	variation 1						
	variation 2						
	variation 3		1				
	variation 4		5				
	variation 5		4				
6845	variation 1		8				
	variation 2		6				
	variation 3	steel	20.30%	tires	25%	windows	54.70%
	variation 4		9				
	variation 5		23				
9248	variation 1		45				
	variation 2						
	variation 3						
	variation 4						

1) Be able to query a specific "item code" (table 1) then populate a production recipe listing the "item code" and "description" with the titles from table 1

2) Select a specific "core variation" (table 2) for the same "item code" then show the specific chosen variation for the item

3) Then pull the correct "ingredient qty," (table 3) these quantities are based on the total of ingredients from table 2

The data tables are much bigger than the listed examples from the tables shown above.

Finished form from query

Item code	6845	Date:	7/28/2025
Description	widget 3		
Variation	3		
Core variations			
	Qty		
Ing 1	Flour	25%	% of total variation choice
Ing 2	Water	75%	
Total		100%	
Ingredients			
	steel	20.30%	
	tires	25%	
	windows	54.70%	