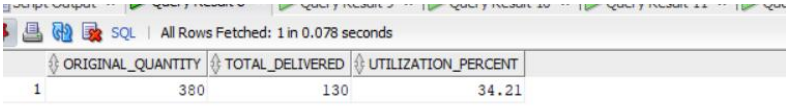
Detailed Overview of Reports and Project Value

This project focuses on automating the management and redistribution of surplus food, ensuring that excess food from suppliers reaches NGOs efficiently while maintaining quality and accountability. The following reports, generated from the system, showcase the tangible impact and value of automation:

1.Surplus Food Utilization Report:

This report shows how much food has been donated versus how much has been successfully delivered. It provides a direct measure of the system's effectiveness in reducing food waste by calculating utilization percentages. By comparing total food quantity available to what was delivered to NGOs, the report proves that the system significantly increases the efficiency of food donation and reduces spoilage.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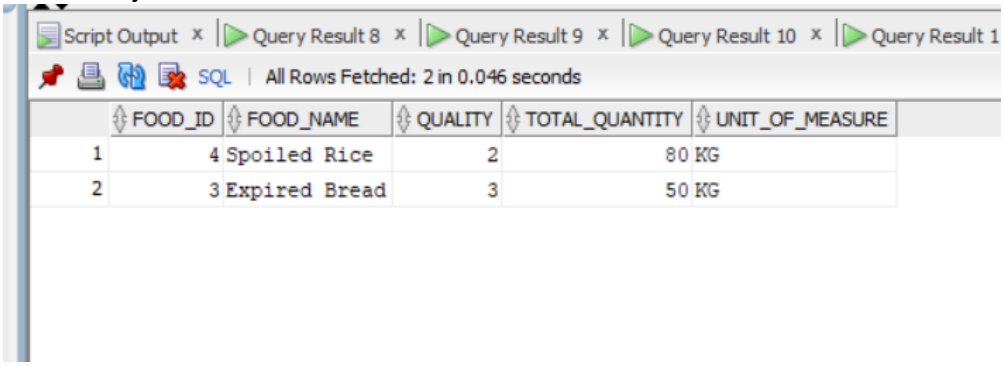
	ORIGINAL_QUANTITY	TOTAL_DELIVERED	UTILIZATION_PERCENT
1	380	130	34.21

2.Food Quality Rejection Report:

Food rejected by government officials due to quality concerns is captured in this report. It highlights which food items do not meet minimum standards (e.g., quality < 5), helping the system prevent unsafe or poor-quality food from being distributed. This supports regulatory compliance and builds trust in the food safety process while reducing the manual effort needed to track rejected items.


Script Output | Query Result 8 | Query Result 9 | Query Result 10 | Query Result 1

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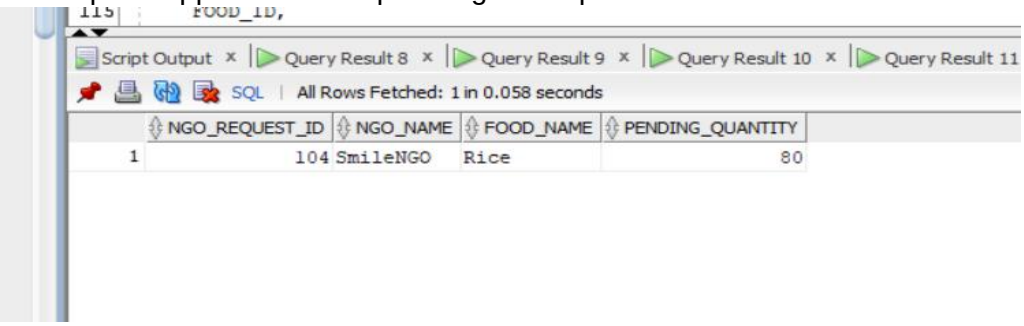
	FOOD_ID	FOOD_NAME	QUALITY	TOTAL_QUANTITY	UNIT_OF_MEASURE
1	4	Spoiled Rice	2	80	KG
2	3	Expired Bread	3	50	KG

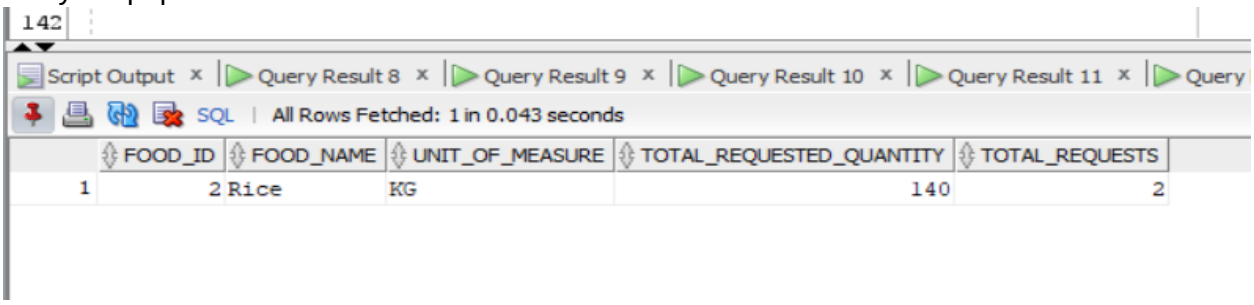
3.Pending NGO Requests Report:

This report lists NGO food requests that were placed but not fulfilled due to logistic delays or unavailability. It helps administrators prioritize urgent deliveries and identify potential gaps in supply. Without automation, tracking these pending requests would be manual and error-prone.

This report supports smarter planning and equitable food distribution.



4.Aggressively Sold Food Report:
This identifies the food items with the highest number of requests and deliveries. It helps the system recognize which foods are in highest demand, enabling suppliers and logistics teams to adjust supply flow accordingly. This insight supports proactive inventory planning and minimizes delays in popular item deliveries.



5.High - level Wastage Avoided by Food Type:
The system tracks real-time food movement from surplus to consumption.

You can clearly measure and improve food waste reduction over time.

It enables stakeholders (admins, suppliers, NGOs) to make data-driven decisions — like prioritizing logistics or reviewing why some foods (like Rice) are under-delivered.