****

**Description:**

This project gathers detailed information about grocery products from Real Canadian Superstore, a well-known supermarket chain in Canada. The dataset covers a diverse array of grocery items, such as fresh vegetables, fruits, packaged goods, and more.

The purpose of this analysis is to derive meaningful insights and trends from a real Canadian supermarket grocery product dataset. By exploring the data, we try to understand customer preferences, popular product categories, pricing strategies, and any patterns that may influence purchasing decisions. The analysis will help stakeholders, such as store managers and marketing teams, make informed decisions about inventory management, price adjustments, and promotional activities. Additionally, it provides a valuable tool for understanding market dynamics and enhancing the overall shopping experience for customers at a real Canadian supermarket.

**The dataset contains essential product details, including:**

Product Name: The name or title of the grocery product.

Current Price: The current price of the product.

Previous Price: The previous price of the product (if applicable).

Price Per Each: The price per unit or each item.

Category: The category or department to which the product belongs.

Amount: The quantity or amount of the product.

Units: The units of measurement for the product (e.g., ea, kg, lb).

**Analysis Question.**

Question: 1 What are the top 10 products by their current price?

Question: 2 What is the average price per unit for each category?

Question: 3 Which products have had a price decrease from their previous price?

Question: 4 What is the total sales value for each product, considering the quantity and current price?

Question:5 Which categories have products with the highest and lowest average prices?

Question:6 How many unique products are there in each category?

Question: 7 Which products have the highest and lowest quantities in stock?

Question: 8 How many products have a price per unit greater than $2.00?

Question:9 Which products belong to the 'Fresh Vegetables' category and have a quantity greater than 5?

Question: 10 What is the total quantity sold for each product?