**Walmart Business Problems**

**1. Analyse Payment Methods and Sales**

● Question: What are the different payment methods, and how many transactions and items were sold with each method?

● Purpose: This helps understand customer preferences for payment methods, aiding in payment optimization strategies.

**2. Identify the Highest-Rated Category in Each Branch**

● Question: Which category received the highest average rating in each branch?

● Purpose: This allows Walmart to recognize and promote popular categories in specific branches, enhancing customer satisfaction and branch-specific marketing.

**3. Determine the Busiest Day for Each Branch**

● Question: What is the busiest day of the week for each branch based on transaction volume?

● Purpose: This insight helps in optimizing staffing and inventory management to accommodate peak days.

**4. Calculate Total Quantity Sold by Payment Method**

● Question: How many items were sold through each payment method?

● Purpose: This helps Walmart track sales volume by payment type, providing insights into customer purchasing habits.

**5. Analyse Category Ratings by City**

● Question: What is the average, minimum, and maximum ratings for each category in each city?

● Purpose: This data can guide city-level promotions, allowing Walmart to address regional preferences and improve customer experiences.

**6. Calculate Total Profit by Category**

● Question: What is the total profit for each category, ranked from highest to lowest?

● Purpose: Identifying high-profit categories helps focus efforts on expanding these products or managing pricing strategies effectively.

**7. Determine the Most Common Payment Method per Branch**

● Question: What is the most frequently used payment method in each branch?

● Purpose: This information aids in understanding branch-specific payment preferences, potentially allowing branches to streamline their payment processing systems.

**8. Analyse Sales Shifts Throughout the Day**

● Question: How many transactions occur in each shift (Morning, Afternoon, Evening) across branches?

● Purpose: This insight helps in managing staff shifts and stock replenishment schedules, especially during high-sales periods.

**9. Identify Branches with Highest Revenue Decline Year-Over-Year**

● Question: Which branches experienced the largest decrease in revenue compared to the previous year?

● Purpose: Detecting branches with declining revenue is crucial for understanding possible local issues and creating strategies to boost sales or mitigate losses.