**Bank Statements (P1- BankStatements.json) – 50 Marks**

**1.  Transaction Analysis:**

   - What is the total number of transactions made over the year?

   - What is the distribution of transaction amounts (e.g., small vs. large transactions)?(define small and large transactions by yourself)

   - Analyze the frequency of different transaction types (debit vs. credit).

**2.  Balance Analysis:**

   - What is the trend of the account balance over time?

   - Identify any periods with significant changes in the account balance.

**3.  Spending Patterns:**

   - What are the main categories of expenses (e.g., fuel, Ecommerce, food, shopping, ATM withdrawals, UPI transactions)?

   - Analyze the frequency and amount of spending in each category.

**4.  Income Analysis:**

   - What are the main sources of income (e.g., salary, UPI credits)?

   - Identify any patterns in the timing and amount of income received.

**5.  Alert Generation:**

   - Identify any unusual or suspicious transactions.

   - Generate alerts for low balance or high expenditure periods.