Accounting Program Documentation

Purpose

This program calculates the average sales of products over 12 months, integrates with the 1C accounting system, and generates a comparative analysis to highlight sales trends (increases/decreases) against the yearly average.

Access to 12 monthly sales documents (e.g., spreadsheets, CSV files, or database entries).

Integration with the 1C accounting system for data retrieval.

Workflow

1. Calculate Yearly Sales Average

Objective: Determine the monthly average sales for each product over 12 months.

Steps:

- Upload Data:
    Collect and upload 12 documents representing monthly sales data for the year.
- Ensure data includes product names and quantities sold per month.
- Compute Average:
    Formula:
    Monthly Average = (Total Quantity Sold for a Product over 12 Months) / 12
    The system automatically sums the total units sold for each product and divides by 12 to generate the average.

2. 1C Integration & Comparative Analysis

Objective: Compare sales for a selected month against the yearly average

Steps:

Connect to 1C:

- Link the program to the 1C system to fetch sales data for the latest 12 months.
- Select Comparison Month:
- Choose a specific month (e.g., March 2024) to analyze against the calculated yearly average.
- Generate Report:
- The system produces a table showing:
- Product name
- Sales in the selected month
- Yearly average sales
- Percentage change (vs. average)
- Status (Increase/Decrease)

Output Format & Rules

Results Table

Product Name, Monthly Sales, Yearly Average, % Change, Status
[Product Name], [Value], [Value], [±%], Color-Coded

Color-Coding Criteria

Green: Sales ≥ 10% above the yearly average.
Red: Sales ≤ 10% below the yearly average.
Neutral: Changes within ±10% of the average (optional).

Formula for % Change:

Percentage Change
$$=[(MonthlySales-YearlyAverage)/YearlyAverage]\times100*[(MonthlySales-YearlyAverage)/YearlyAverage]\times100$$

Example Output

Product Name, Monthly Sales, Yearly Average, % Change, Status
Widget A, 220, 200, +10%, Green
Widget B, 85, 100, -15%, Red
Widget C, 95, 100, -5%, Neutral

Notes

Ensure monthly sales documents are consistent in format and units.
The 10% threshold is customizable (contact support for adjustments).

Data discrepancies in 1C will trigger validation warnings.