VBA Data Analyzer Tool - Project Requirement

# Objective

Create a VBA tool that:  
1. Imports data from multiple Excel sheets.  
2. Stores and manipulates the data using dynamic and multi-dimensional arrays.  
3. Performs analysis (e.g., totals, averages, counts).  
4. Outputs the results in a structured summary sheet.

# Input Excel Sheets

You will work with 3 sheets: Sales\_Q1, Sales\_Q2, Sales\_Q3.  
Each sheet contains sales data in the following format:  
  
| Region | Product | Units Sold | Revenue |  
|--------|---------|------------|---------|  
| North | A | 100 | 1000 |  
| South | B | 200 | 3000 |  
...  
  
The number of rows may vary across sheets.

# Requirements

1. Read data from all sheets into a dynamic 2D array.  
2. Store and process data using arrays (do not use ranges for calculations).  
3. Calculate:  
 - Total revenue by Region  
 - Total units sold by Product  
 - Average revenue per transaction  
 - Highest revenue-generating product  
4. Output results in a new sheet named 'Summary'.  
5. Optional: Add a userform to select sheets or show a progress bar.

# Estimated Time Breakdown

| Task | Time |  
|--------------------|-----------|  
| Setup and Planning | 30 minutes|  
| Read Data | 1 hour |  
| Analyze Data | 1.5 hours |  
| Output Results | 1 hour |  
| UI + Testing | 1 hour |

# Deliverables

- Excel file with 3 input sheets: Sales\_Q1, Sales\_Q2, Sales\_Q3.  
- VBA code using dynamic and multidimensional arrays.  
- Summary output sheet with analysis results.  
- Proper comments and button to trigger the analysis.