**Project Documentation**

**Name:**

**Assignment:**

**Date:**

**Problem Statement**: A short summary of the problem…

**Analysis:** Using an IPO format identify the major **Inputs, Processing Transformations, and Outputs.** Key variables and constants should be named along their data types. Expressions (formulas) that are used are explained. Output statements or formats may also be prototyped here.

Include sections for each area (Key Inputs, Transformations, and Output Results)

**Design (for project assignments only):** Use pseudocoding and (optionally) flowcharting to describe the flow of the main program. If there are functions that support the main flow describe separately in sub sections of the design section with the function call noted in the main program pseudocode and the function prototype (the interface to the function) at the beginning of the description of the function. In the function description describe the algorithm implemented in the function in pseudocode.

**Code:**Cut and paste a copy of your code listing in this section. I use the source code file that is requested in the task as a back up in case I want to execute on my own in my environment. I still want to see the source code in this document for all assignments.

**Testing: For each testing scenario you choose to test this program describe the following:**

**Data**: Describe your test data here.

**Test Cases**: For each major sequence of flow through the program describe the flow and entry of the test data in each flow.

**Expected Results**: Show/Describe the expected results of the program execution here for each test case.

**Note that you should have a minimum of 3 test case scenarios and should show program runs to allow for verification of the program execution against the expected Results**.

**Remarks:** Include here any special considerations or instructions to the programmer.

**Output:** Take a screen shot of your output and place here. Output screen shots should show actual results so they can be compared to the expected results in the Testing section, Generally 3 runs of a program should be sufficient to demonstrate the test cases above.

**Reflection:** An individual reflection on the assignment and its most significant points to you. What was the most important concept demonstrated. Where did you have problems and how did you resolve them. How might you see using what you learned on this assignment in the future?