**Exercise 1: Wong's Appliances Program**

**Plan:**

1. I will review the necessary steps and structure for drafting the pseudocode.
2. I will define the constants and variables needed for the program.
3. I will create input prompts for user data, include the calculation process logic, and design the output display.

**Pseudocode:**

BEGIN Wong's Appliances Program

// Declare constants

CONSTANT CUBIC\_INCHES\_IN\_CUBIC\_FEET = 1728

// Declare variables

String refrigeratorModelName

Number height, width, depth, capacityInCubicFeet

// Input: Prompt the user for the refrigerator model name and dimensions

PRINT "Enter the refrigerator model name:"

INPUT refrigeratorModelName

PRINT "Enter the interior height in inches:"

INPUT height

PRINT "Enter the interior width in inches:"

INPUT width

PRINT "Enter the interior depth in inches:"

INPUT depth

// Process: Calculate the capacity in cubic feet

capacityInCubicFeet = (height \* width \* depth) / CUBIC\_INCHES\_IN\_CUBIC\_FEET

// Output: Print the refrigerator model name and capacity

PRINT "Refrigerator Model: ", refrigeratorModelName

PRINT "Capacity in Cubic Feet: ", capacityInCubicFeet

END Wong's Appliances Program

**Verification:**

* I will use a calculator to test my pseudocode and ensure the capacity calculation is accurate.
* For example, if the refrigerator's height is 60 inches, width is 30 inches, and depth is 20 inches, the calculation would be:

Capacity = (60\*30\*20)/1738 = 20.83 cubic feet