Exercise 1: Wong's Appliances

Plan

- Review necessary steps for pseudocode.

- Consider the materials and structure needed for pseudocode.

Input

- Prompt the user to input the refrigerator model name.

- Prompt the user to input the interior height in inches.

- Prompt the user to input the interior width in inches.

- Prompt the user to input the interior depth in inches.

Process

- Calculate the refrigerator capacity in cubic inches:

capacityInCubicInches = height \* width \* depth

- Convert cubic inches to cubic feet:

capacityInCubicFeet = capacityInCubicInches / 1728

Output

- Print the refrigerator model name.

- Print the refrigerator capacity in cubic feet.

Pseudocode

DECLARE modelName AS STRING

DECLARE height, width, depth, capacityInCubicInches, capacityInCubicFeet AS FLOAT

DECLARE CUBIC\_INCHES\_PER\_CUBIC\_FOOT AS CONSTANT FLOAT = 1728

PRINT "Enter the refrigerator model name:"

INPUT modelName

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

SET capacityInCubicInches = height \* width \* depth

SET capacityInCubicFeet = capacityInCubicInches / CUBIC\_INCHES\_PER\_CUBIC\_FOOT

PRINT "Refrigerator Model:", modelName

PRINT "Capacity in Cubic Feet:", capacityInCubicFeet

END PROGRAM