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Module 2 Assignment - Variables and Constants with Arithmetic Calculations using Pseudocode

SDEV 120

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**Exercise 1:**

// This program prompts the user for refrigerator model name, interior height, width,

// and depth in inches to calculate refrigerator capacity. Then to display model and

// capacity in feet.

start

input modelName //Ask user for model name of refrigerator

input interiorHeight //Ask user for the interior height in inches

input interiorWidth //Ask user for the interior width in inches

input interiorDepth //Ask user for the interior depth in inches

capacity = (interiorHeight \* interiorWidth \* interiorDepth) / 1728 //Calculate capacity

print modelName //Display the model name

print capacity //Display the capacity in cubic feet

stop

**Exercise 2:**

// This program determines the new account balance if the account was overdrawn.

start

Declarations

num accountBalance = 0

num overDrawnTimes

num overDrawnFee

num newAccountBalance

input accountBalance //Collect the current account balance

input overDrawnTimes //Collect the number of times the account was overdrawn

overDrawnFee = overDrawnTimes (accountBalance \* .01 – 5) //Calculate overdrawn fee

newAccountBalance = accountBalance - overDrawnFee //Calculate to balance

print overDrawnFee //Display the overdrawn fee

print newAccountBalance //Display the updated account balance

print “Thanks for using this program” //Display the exit message

stop