**Waist Size Converter - User Story**

As a clothing customer, I want to enter my waist measurement in inches So that I can find my correct clothing size (S, M, L, XL, 2XL, 3XL)

Goals:

1. Enter waist measurement in inches
2. See my corresponding size or get notified if no size is available

Question :

Psuedocode

* Describes step-by-step run of the program
* Lists inputs, processes, and outputs, including data types
* Does not include any Python code

Solution

**Waist Size Converter - Pseudocode**

**Variables**

waist\_measurement : float // stores the user's waist measurement

has\_size : boolean // tracks if a matching size was found

size\_name : string // stores the resulting size name

**Input**

Display "Enter waist measurement in inches: "

Input waist\_measurement

**Process**

Set has\_size = false

If waist\_measurement < 26.7 Then

Display "No sizes available"

Else If waist\_measurement > 38.6 Then

Display "No sizes available"

Else

// Check each size range

If waist\_measurement >= 26.7 AND waist\_measurement <= 28.7 Then

Set size\_name = "S"

Set has\_size = true

Else If waist\_measurement > 28.7 AND waist\_measurement <= 30.7 Then

Set size\_name = "M"

Set has\_size = true

Else If waist\_measurement > 30.7 AND waist\_measurement <= 32.7 Then

Set size\_name = "L"

Set has\_size = true

Else If waist\_measurement > 32.7 AND waist\_measurement <= 34.6 Then

Set size\_name = "XL"

Set has\_size = true

Else If waist\_measurement > 34.6 AND waist\_measurement <= 36.6 Then

Set size\_name = "2XL"

Set has\_size = true

Else If waist\_measurement > 36.6 AND waist\_measurement <= 38.6 Then

Set size\_name = "3XL"

Set has\_size = true

End If

End If

**Output**

If has\_size = true Then

Display "Your size is: " + size\_name

End If

Display "Program complete"