

Programming Technique I Assignment 1

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Question 5

Pseudocode:

1. Start
2. Set counter = 1
3. While (counter <= 31)
 - 3.1 Get nutrient amount, total daily recommended value
 - 3.2 Calculate Percentage of Daily Value (%DV),
$$\%DV = \frac{\text{nutrient amount}}{\text{total daily recommended value}} \times 100$$
 - 3.3 If (%DV <= 5%)
 - 3.3.1 Print “The amount of this nutrient is low in this product”
 - 3.3.2 Go to step 3.7
 - 3.4 Else if (%DV >= 20%)
 - 3.4.1 Print “The amount of this nutrient is high in this product”
 - 3.4.2 Go to step 3.7
 - 3.5 Else
 - 3.5.1 Print “The amount of this nutrient is moderate in this product”
 - 3.6 End If
 - 3.7 counter = counter + 1
4. End while
5. End

Flowchart:

