Exercise 17:

### 1. ****Describe the Process Step by Step****

1. **Input Product Price**: Start by getting the product price.
2. **Input VAT Rate**: Enter the VAT rate as a percentage (e.g., 10% or 20%).
3. **Calculate VAT**:
   * Multiply the product price by the VAT rate (expressed as a decimal fraction, e.g., 0.10 for 10%).
4. **Calculate Total Price**:
   * Add the calculated VAT to the original product price.
5. **Output the Results**:
   * Display the VAT amount and the total price including VAT.

### 2. ****Describe the Process Steps through Flowcharts****

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### 3. ****Describe the Process Steps through Pseudocode****

Here is a pseudocode representation of the VAT calculation process:

plaintext

START

// Step 1: Input the product price

Input product\_price

// Step 2: Input the VAT rate

Input vat\_rate

// Step 3: Calculate VAT

vat = product\_price \* (vat\_rate / 100)

// Step 4: Calculate the total price

total\_price = product\_price + vat

// Step 5: Output the results

Print "VAT: ", vat

Print "Total price including VAT: ", total\_price

END