TUBMOSTUM (BIASIOSIUM

MOCK QUALIFIER ASSESSMENT Emily, a botanist want to classify plant names based on their characteristics. She writes a program where a plant name tot is entered as a sentence, and all plant names with vowels at the beginning remain unchanged.

Their length, while others remain unchanged. As a software consultant, help her automate the process

For example, If the input is "Dak Maple Elm", the converting to lowercase "oak maple elm", the words starting with the vowels are oak" Clength 3) and "elm" (length 3), redulting in to the off sentence "3 maple 3". Contraints:

· Convert the input sentence to lowercase before

that start with a vowel (a.e., vow and replace them with their length

· If no words start with a vowel, display: "No words start muither a avowel" sman borton

. If the sentence contains non-alphabetics

characters other than spaces, display: "<input

Jentence? is an invalid Jentence?

Otherwise, display the transformed Jentence as: "The transformed sentence is < resulted - sentence >:"

Note:

- · In the sample 1/Oprovided, the highlighted text in bold corresponds to the input given by the line text the user and the rest of the text represents the output.
- · Ensure to follow the object-briented specifications provided in the question.
- · Adhere to the code template, if provided.

Sample Input/output 1: Enter the sentence Olive Pine Oak The transformed sentence is 5 Pine 3

Jample 1/0 2: Enter the sentence Rose Lily Tulip! Rose Lily Tulip! is an invalid sentence Sample 110 3: Enter the sentence Maple Birch Spruce No words start with a vowel.