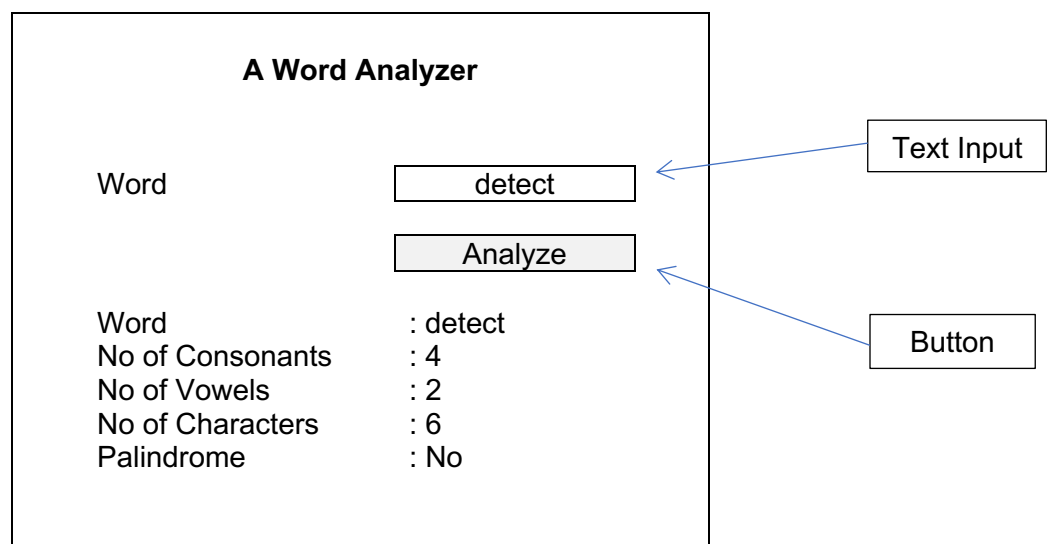


## Word Analyzer App

1. A Word Analyzer analyzes any word and determine number of consonants and vowels. You need to develop a simple Flutter mobile application that analyzes any word given by a user.
2. The application requires:
  - i. A text input (<TextInput>) for a user to key in any word.
  - ii. A button to perform the analysis and display the output (<Text>).
  - iii. A few texts to display the word analysis:
    - a. Vowels (aeiou or AEIOU).
    - b. Consonants (Other than vowels).
    - c. Number of letters in a word.
    - d. Palindrome detection.
3. Refer to the below sample for input and output.



### Notes

Use a ***String.split()*** function to convert a word into an array of characters.

4. Include appropriate comments to explain methods or functions included in your code.
5. Use online forum on iTaleem to ask any questions related to your assignment.
6. Rename of your ***main.dart*** file to ***<CLA3-matricno>.dart*** and submit to iTaleem under ***Class Assignment – Developing Flutter*** section.
7. Please take note of the deadline, any late submission will be considered as **NO** submission.