Java Answer Key of **Rawlabs Academy**

Introduction Algorithm

Task

A prime number is a natural number that is greater than 1, whose divisors are **1** and the **number itself**. The numbers **2** and **3** are **prime numbers**. The number 4 is not a prime number because it can be divided by 2. *Create a function to determine whether the inputted number is a prime number or not using* [Whimsical](#).

Example :

- Input: 3, Output: Prime Number
- Input: 7, Output: Prime Number
- Input: 10, Output: Not Prime Number

Answer

```java
        for (int i = 0; i < text.length(); i++) {
            char c = Character.toLowerCase(text.charAt(i));

            if (c == ' ') continue;

            if (c == 'a' || c == 'i' || c == 'u' || c == 'e' || c == 'o') {
                vowel++;
            } else {
                consonant++;
            }
        }

        System.out.printf("Vowels: %d\n", vowel);
        System.out.printf("Consonants: %d\n", consonant);
        System.out.printf("Total: %d\n", vowel + consonant);
    }

}
```

Task 2

Palindrome is a word, number, phrase, or other sequence of symbols that reads the same backwards as forwards. Write a program to detect whether a string is a palindrome or not.

Input: **katak**
Output: Palindrome

Input: **mistar**