

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

```

int consonant = 0;
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