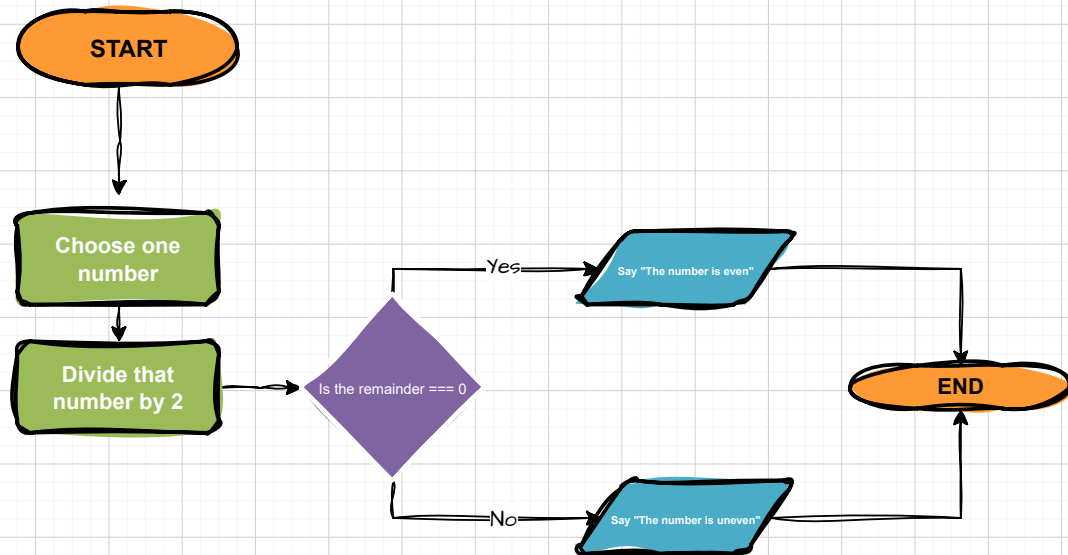
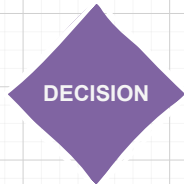


## 2.1.

### CHECK IF ONE NUMBER IS EVEN

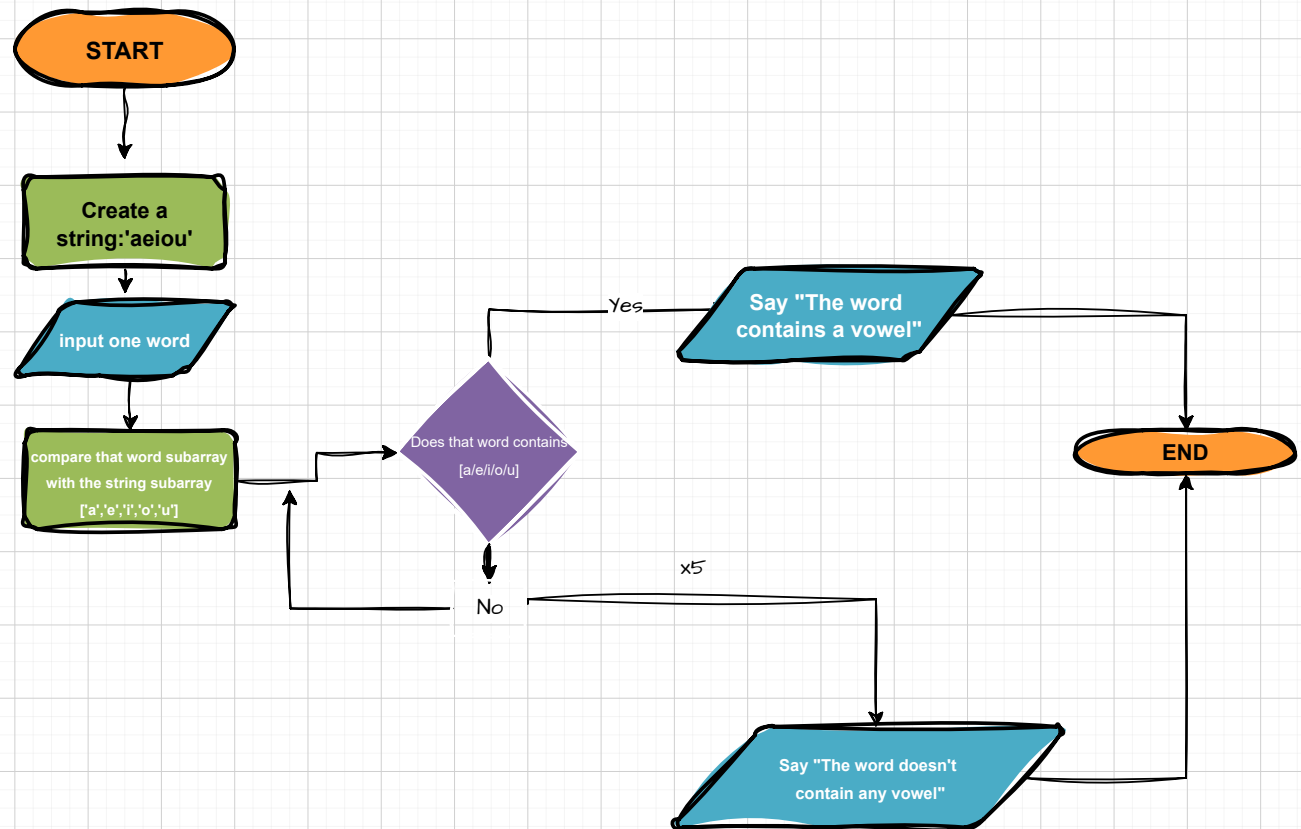
- Choose one number
- Divide that number by 2
- Is the remainder = 0
  - Yes
    - Is even
  - No
    - Is Uneven



## 2.2.

### CHECK IF ONE A WORD CONTAINS A VOWEL 'aeiou'

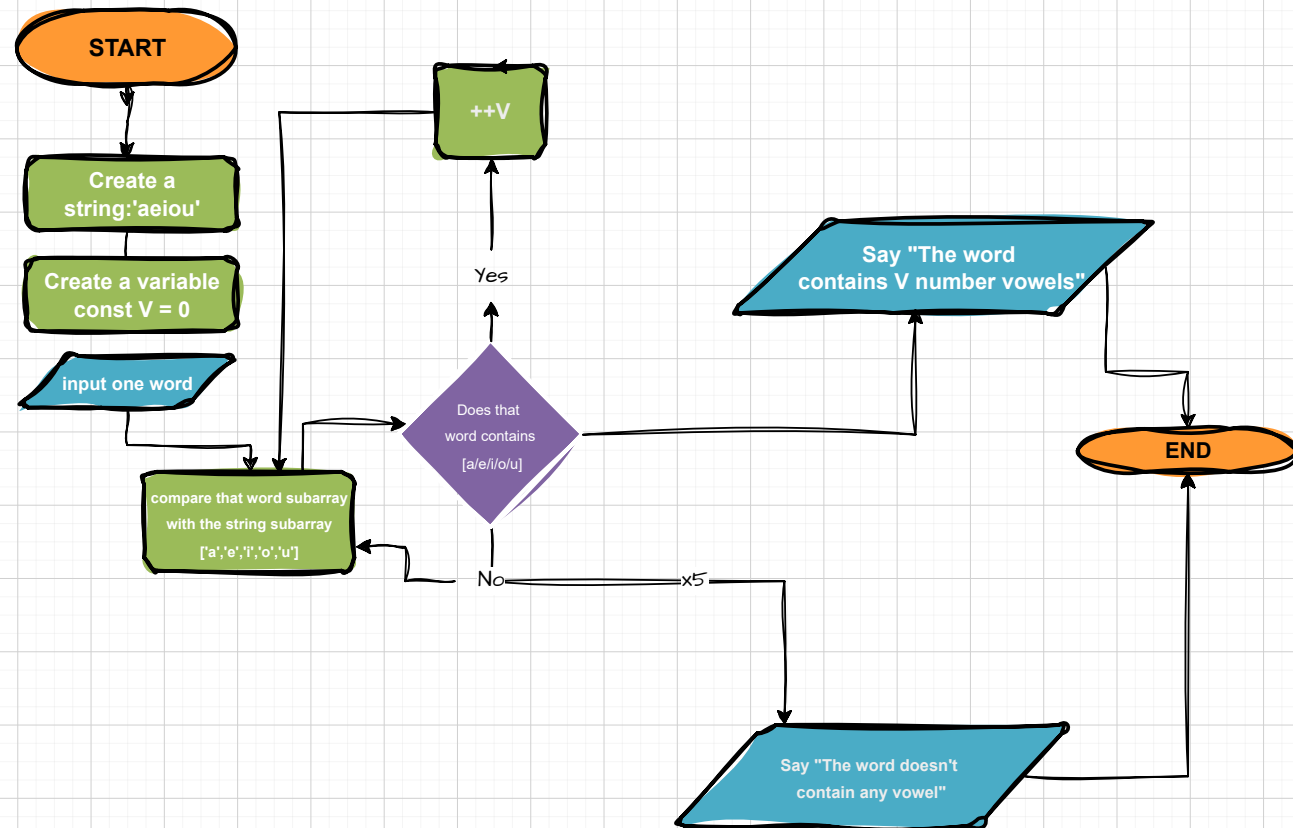
- Create a string: 'aeiou'
- Input one word
- compare that word subarray with the string subarray ['a','e','i','o','u']
- Does that word contain [a/e/i/o/u]
- Yes
  - Say It contains it
- No
  - Check Again
  - If 'No' x5
  - It doesn't contain it.



## 2.3.

### CHECK IF ONE A WORD CONTAINS A VOWEL 'aeiou'

- Create a string: 'aeiou'
- Create a variable V
- Input one word
- compare that word subarray with the string subarray ['a','e','i','o','u']
- Does that word contain [a/e/i/o/u]
- Yes
  - Sum 1 to V for each vowel.
  - Say "The word contains V number vowels"
- No
  - Check Again
  - If 'No' x5
  - It doesn't contain it.



2.4.

CHECK IF A NUMBER CAN BE DIVIDED BY 3 WITHOUT A REMAINDER.  
THEN CHECK IF THE NUMBER CAN BE DIVIDED EVENLY BY 4.  
THEN CHECK IF THE NUMBER CAN BE DIVIDED EVENLY BY BOTH 3 AND 4.

- Choose one number
- Divide that number by 3
- Is the remainder === 0
  - **Yes**
    - That number is divisible by 3 without a remainder
    - Now divide it by 4
    - Is the remainder === 0
      - **Yes**
        - **Say the number is a factor of 3 and 4.**
      - **No**
        - The number is a factor of 3
    - **No**
      - The number is not a factor of 3
      - Divide it by 4
      - Is the remainder === 0
        - **Yes**
          - The number is a factor of 4
        - **No**
          - The number is not divisible by 3 and 4 without a remainder.

