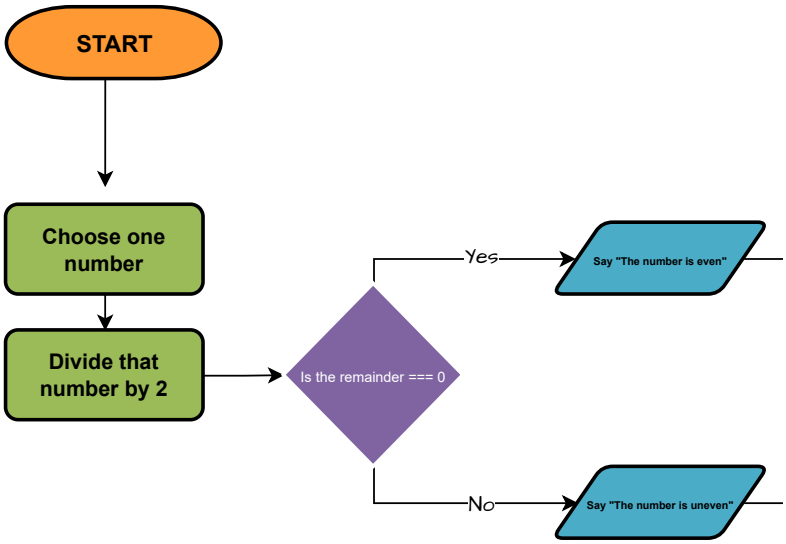
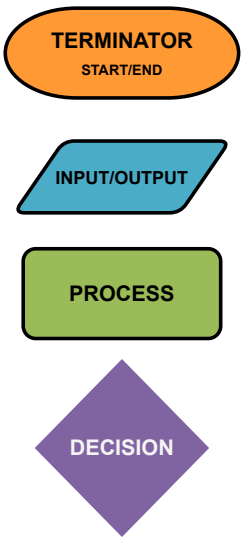
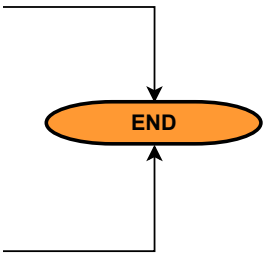
2.1.

CHECK IF ONE NUMBER IS EVEN

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



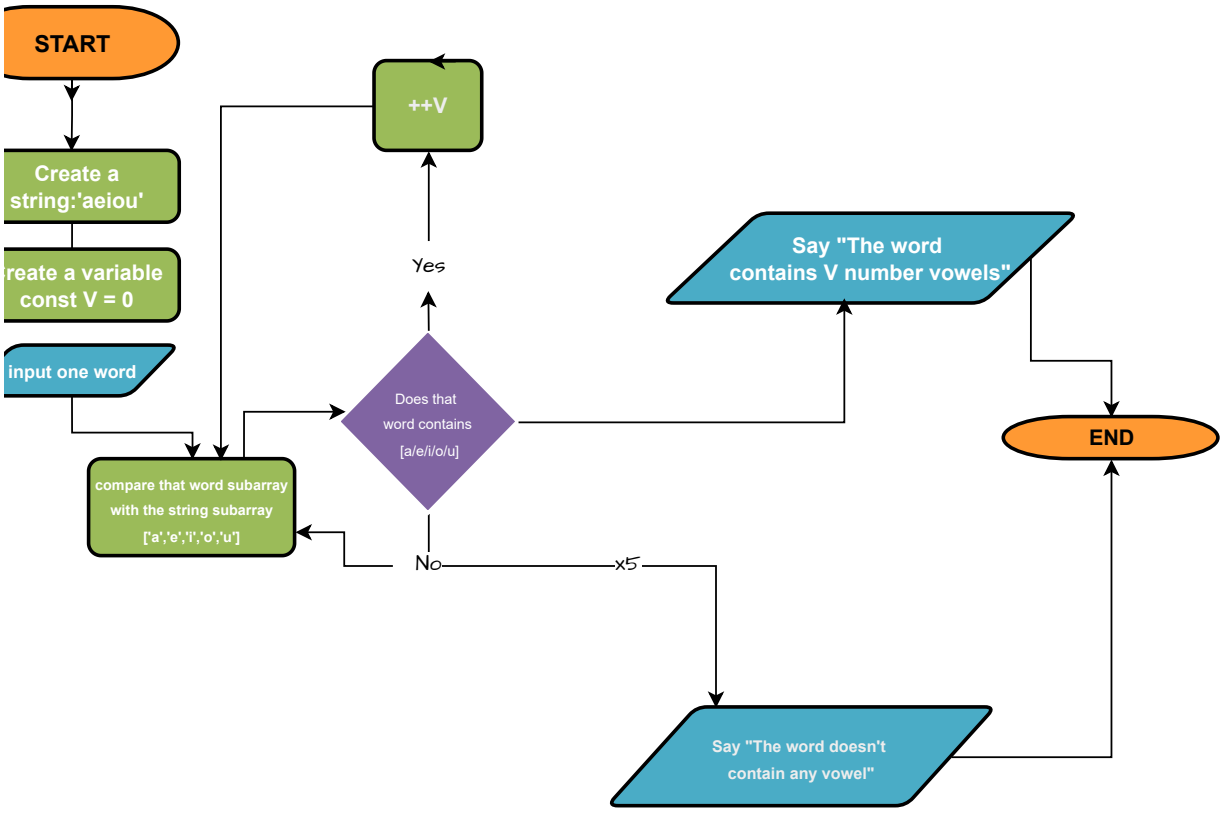






2.3.

CHECK IF ONE A WORD CONTAINS A VOWEL 'aeiou'

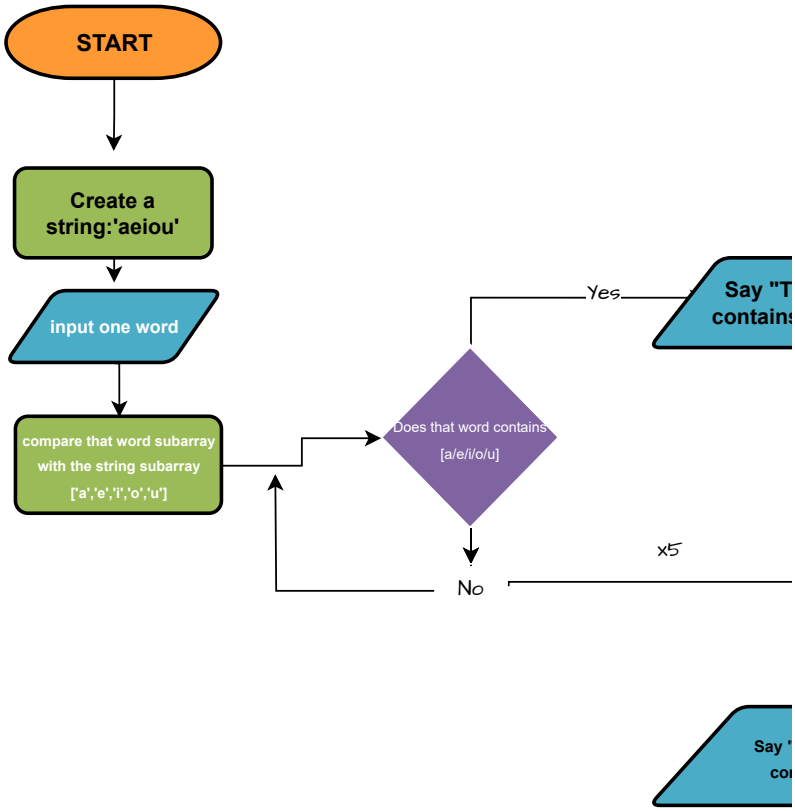
- Create a string: 'aeiou'
- Create a variable V
- Input one word
- compare that word subarray with the string subarray ['a','e','i','o','u']
- Does that word contain [a/e/i/o/u]
- **Yes**
- Sum 1 to V for each vowel.
  - **Say "The word contains V number vowels"**
- **No**
  - Check Again
  - If 'No'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


START
Create a string:'aeiou'
reate a variable const V = 0
input one word
compare that word subarray with the string subarray ['a','e','i','o','u']
Does that word contains [a/e/i/o/u]
Yes
++V
No
x5
Say "The word contains V number vowels"
END
Say "The word doesn't contain any vowel"

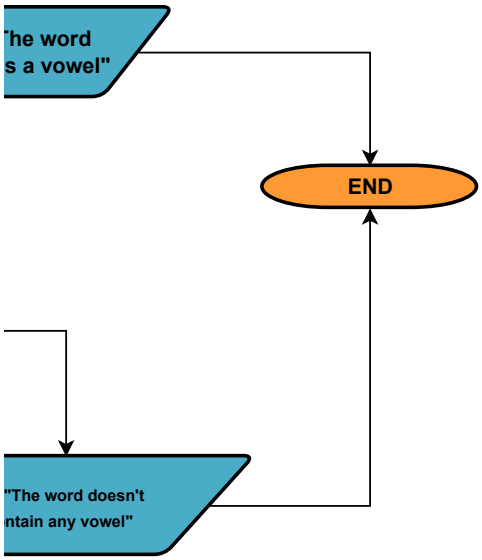
2.2.

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.

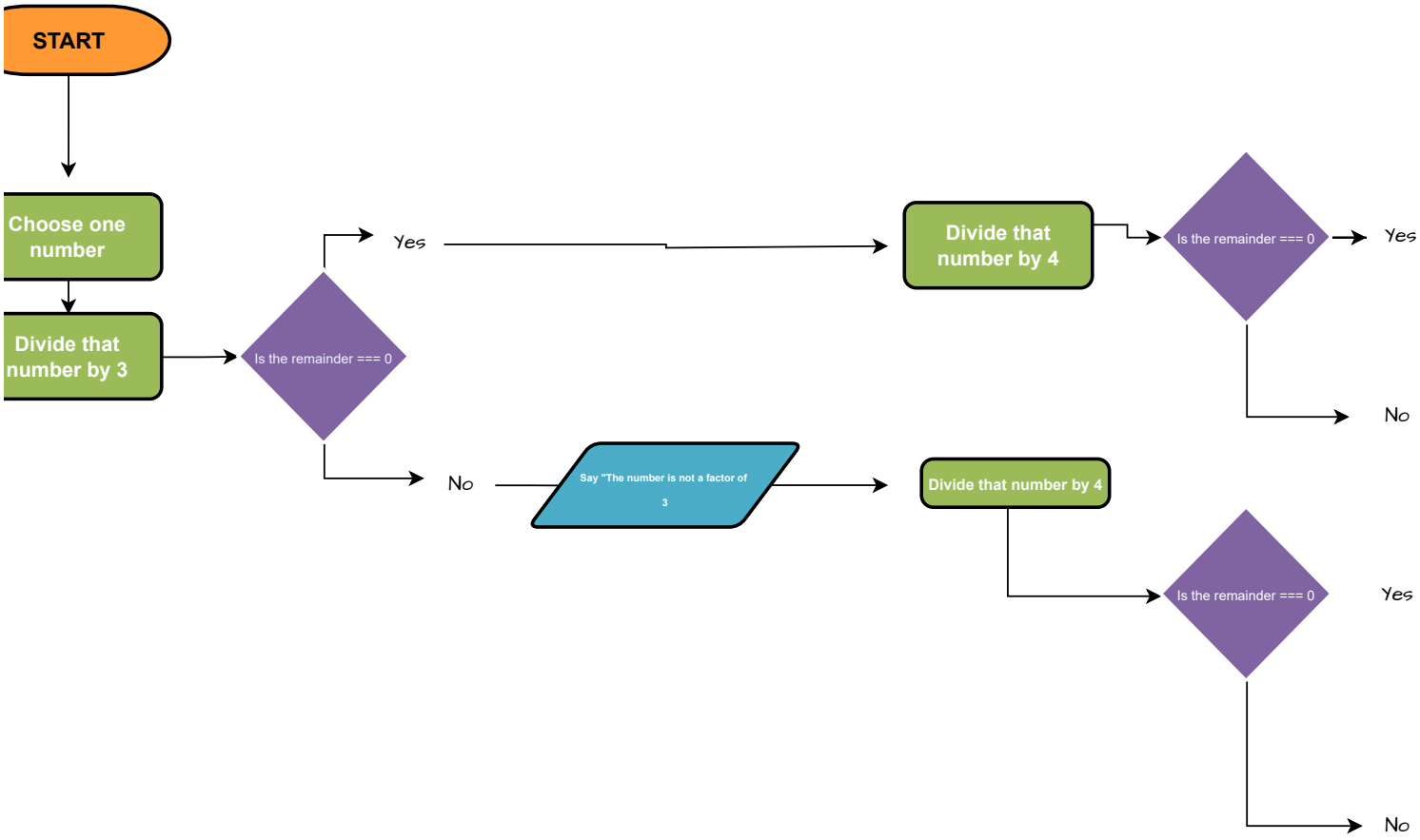


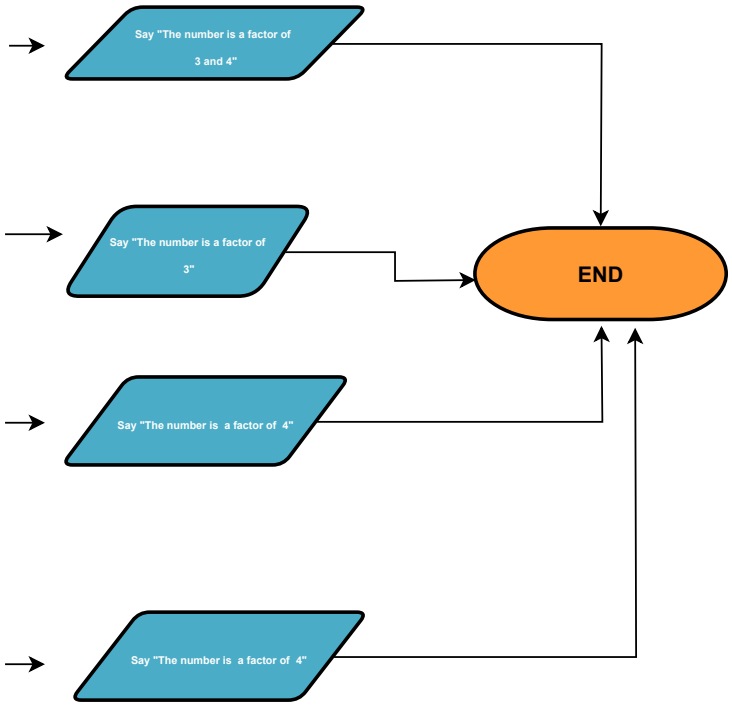
2.4.




CHECK IF ONE NUMBER IS EVEN

- Choose one number
- Divide that number by 3
- Is the remainder === 0
- **Yes**
  - That number is divisible by 3
  - Now divide it by 4
    - Is the remainder === 0
    - **Yes**
      - The number is a factor of 3 and
    - **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.


START
Choose one number
Divide that number by 3
Is the remainder === 0
Yes
No
Divide that number by 4
Is the remainder === 0
Yes
No
Say "The number is not a factor of 3
Divide that number by 4
Is the remainder === 0
Yes
No


Say "The number is a factor of 3 and 4"
Say "The number is a factor of 3"
END
Say "The number is a factor of 4"
Say "The number is a factor of 4"