#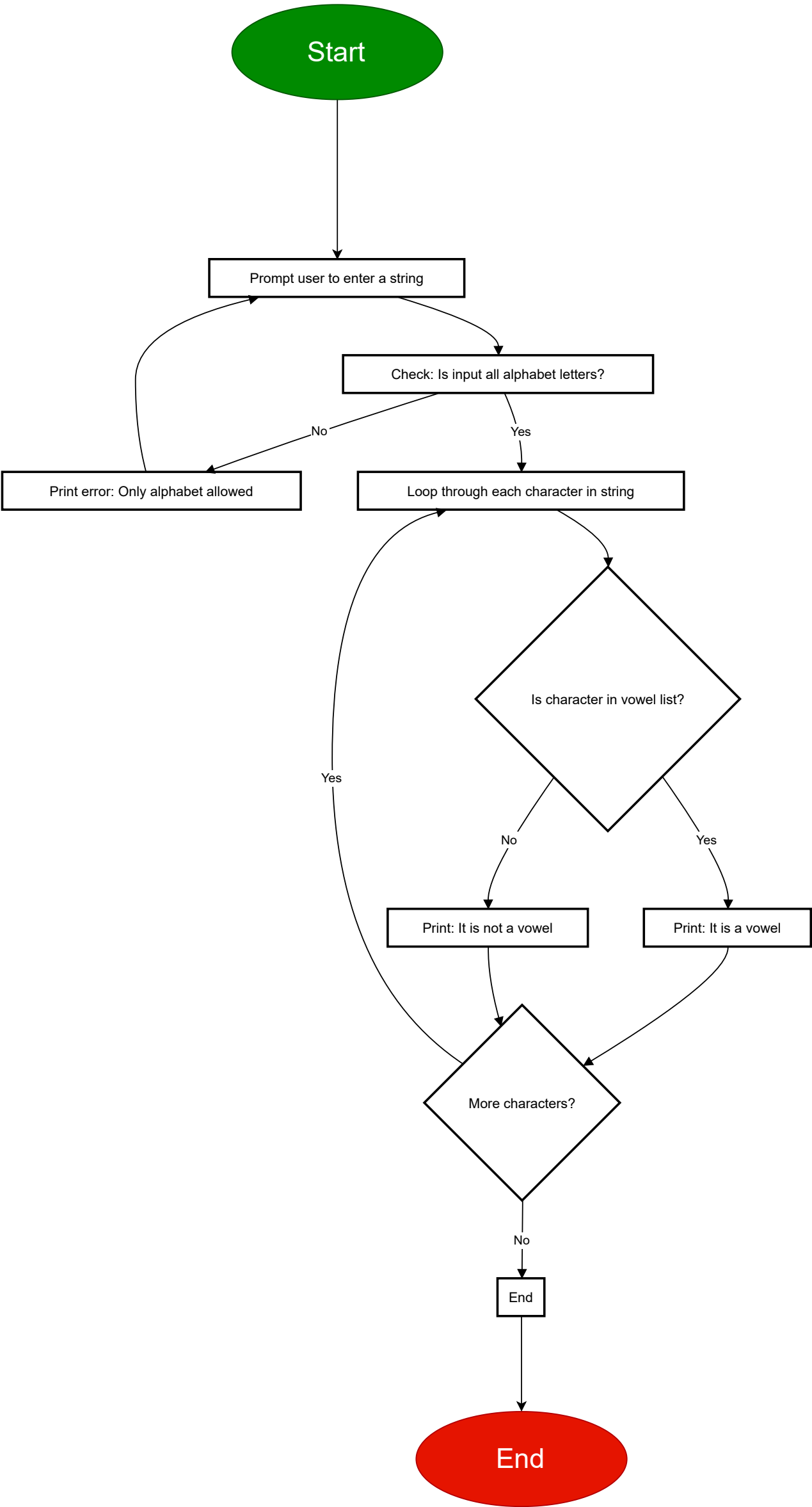 7. Write a function that takes a character (i.e. a string of length 1) and returns True if it is a vowel, False otherwise.

Start

Prompt user to enter a string

Check: Is input all alphabet letters?

No → Print error: Only alphabet allowed

Yes → Loop through each character in string

Is character in vowel list?

No → Print: It is not a vowel

Yes → Print: It is a vowel

More characters?

Yes → Loop through each character in string

No → End

End

```python
char = input("Please enter the character: ")

def vowel(char):
    vowel_lst = ['a', 'e', 'i', 'o', 'u', 'A', 'E', 'I', 'O', 'U']
    for i in char:
        if i in vowel_lst:
            print('True')
        else:
            print('False')

vowel(char)
```