HOMEWORK 6 - Basic Object Oriented Programming
VERY CHALLENGING VERSION

PART I - IV

Complete Parts I - III in the regular version of the homework.

PART V

Create a class `SuperString`:
- Properties:
    - Base String
    - Total Vowels
- Methods:
    - Replacer - does all the things .replace() does on a regular string
    - Spliter - does all the things .split() does on a regular string

Code all your methods from scratch without using .replace() or .split().

Running this Code:

```
my_super = SuperString('albert,salbUwei,hwang')
print my_super.total_vowels
print my_super.Replacer('a', 'E')
print my_super.Replacer('lb', 'YX')
print my_super.Spliter(',')
print my_super.Spliter('lb')

print '\nTesting Overlapping Patterns'
new_super = SuperString('teee')
print new_super.Replacer('ee', 'me')
```

Should print:

```
7
Elbert,sElbUwei,hwEng
aYXert,saYXUwei,hwang
['albert', 'salbUwei', 'hwang']
['a', 'ert,sa', 'Uwei,hwang']

Testing Overlapping Patterns
tmee
```

Again, Please:
- Do NOT use .replace() or .split() anywhere in your code
- Write the methods using only material covered in previous weeks

Hints:

(1) To iterate through the characters of a String:

```
my_str = 'superman'
for char in my_str:
  print char
```

Place the relevant source code in a file named `hw6_5.py` which should be in your home directory under week6 (**home directory > python > week6**).