Reverse Only Vowels

```python
class Solution(object):
  def reverse(self, input):
    """
    input: string input
    return: string
    """
    # write your solution here
    if not input:
      return input
    vowels = set(['a', 'e', 'i', 'o', 'u'])
    array = list(input)
    left, right = 0, len(array) - 1
    while left < right:
      if array[left] not in vowels:
        left += 1
      elif array[right] not in vowels:
        right -= 1
      else:
        array[left], array[right] = array[right], array[left]
        left += 1
        right -= 1
    return ''.join(array)
```