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Practice > Python > Regex and Parsing > Re.findall() & Re.finditer()

Re.findall() & Re.finditer() ☆

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DOSHI

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re.findall()

The expression re.findall() returns all the non-overlapping matches of patterns in a string as a list of strings.

Code

```
>>> import re
>>> re.findall(r'\w','http://www.hackerrank.com/')
['h', 't', 't', 'p', 'w', 'w', 'h', 'a', 'c', 'k', 'e', 'r', 'r', 'a',
'n', 'k', 'c', 'o', 'm']
```

re.finditer()

The expression re.finditer() returns an iterator yielding MatchObject instances over all nonoverlapping matches for the re pattern in the string.

Code

```
>>> import re
>>> re.finditer(r'\w','http://www.hackerrank.com/')
<callable-iterator object at 0x0266C790>
>>> map(lambda x: x.group(),re.finditer(r'\w','http://www.hackerrank.com/'))
['h', 't', 't', 'p', 'w', 'w', 'h', 'a', 'c', 'k', 'e', 'r', 'r', 'a',
'n', 'k', 'c', 'o', 'm']
```

Task

You are given a string S. It consists of alphanumeric characters, spaces and symbols(+, -).

Your task is to find all the substrings of S that contains 2 or more vowels.

Also, these substrings must lie in between **2** consonants and should contain vowels only.

Vowels are defined as: AEIOU and aeiou.

Consonants are defined as: OWRTYPSDFGHJKLZXCVBNM and gwrtypsdfghiklzxcvbnm.

Input Format

A single line of input containing string S.

Constraints

7.66.767	DOSIII
Difficulty	Easy
Max Score	20
Submitted By	6993

NEED HELP?

Author

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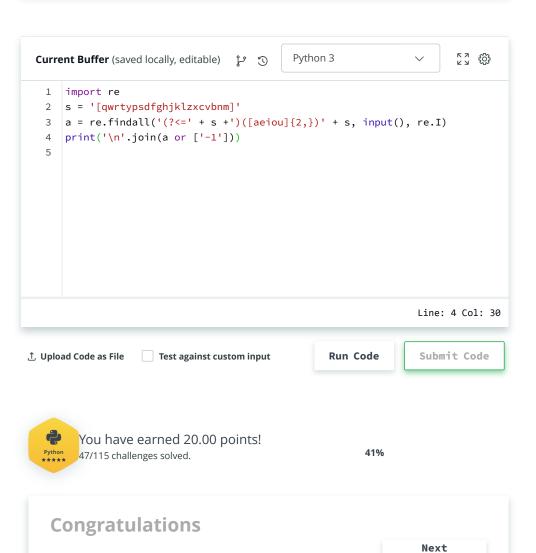


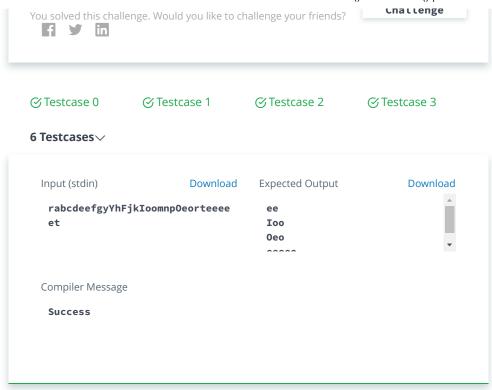
MORE DETAILS

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```
0 < len(S) < 100
Output Format
Print the matched substrings in their order of occurrence on separate lines.
If no match is found, print −1.
Sample Input
   rabcdeefgyYhFjkIoomnpOeorteeeeet
Sample Output
   ee
   Ioo
   0eo
   eeeee
Explanation
oldsymbol{e}oldsymbol{e} is located between consonant oldsymbol{d} and oldsymbol{f}.
Ioo is located between consonant k and m.
Oeo is located between consonant p and r.
eeeee is located between consonant m{t} and m{t}.
```





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