

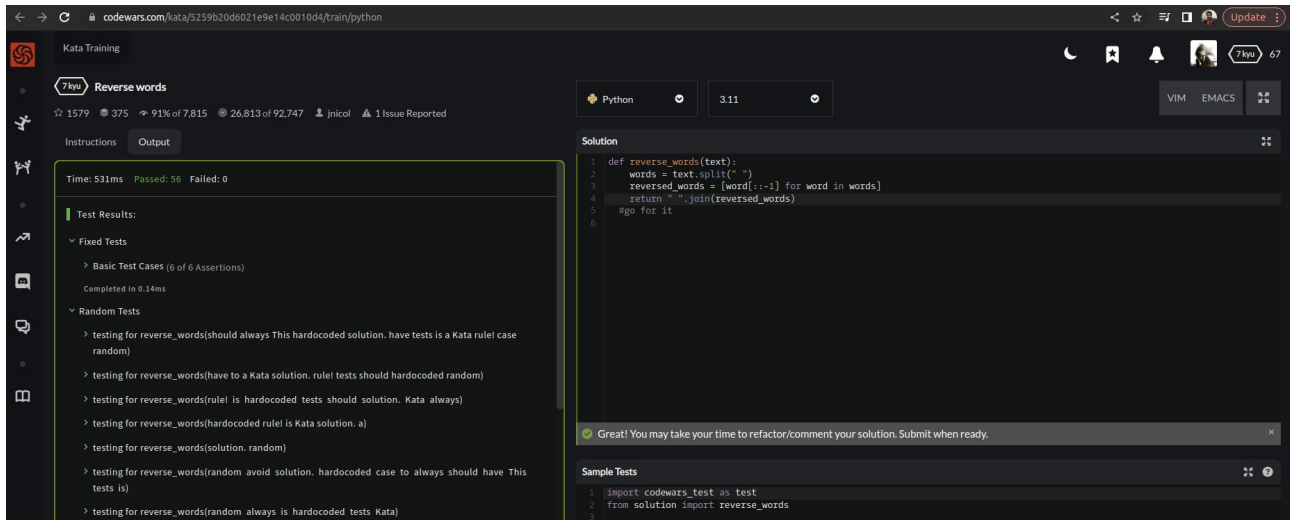
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Reverse Words

DESCRIPTION:

Complete the function that accepts a string parameter, and reverses each word in the string. **All** spaces in the string should be retained.

SOLUTION:



The screenshot shows the Codewars interface for the 'Reverse words' kata. The solution is written in Python and passes all tests.

Test Results:

- Time: 531ms Passed: 56 Failed: 0
- Fixed Tests
 - Basic Test Cases (6 of 6 Assertions) Completed in 0.14ms
- Random Tests
 - testing for reverse_words(should always This hardcoded solution. have tests is a Kata rule! case random)
 - testing for reverse_words(have to a Kata solution. rule! tests should hardcoded random)
 - testing for reverse_words(rule is hardcoded tests should solution. Kata always)
 - testing for reverse_words(hardcoded rule! is Kata solution. a)
 - testing for reverse_words(solution. random)
 - testing for reverse_words(random avoid solution. hardcoded case to always should have This tests is)
 - testing for reverse_words(random always is hardcoded tests Kata)

Solution:

```
1 def reverse_words(text):
2     words = text.split(" ")
3     reversed_words = [word[::-1] for word in words]
4     return " ".join(reversed_words)
5     #go for it
6
```

Sample Tests:

```
1 import codewars_test as test
2 from solution import reverse_words
3
```

EXPLANATION:

This python function first splits the input string into a list of words using the `split` method, with the space character as the separator. It then uses a list comprehension to reverse each word in the list by slicing the word from the end to the beginning with a step of -1, using the syntax `word[::-1]`. Finally, it joins the reversed words back into a string using the `join` method with a space separator.