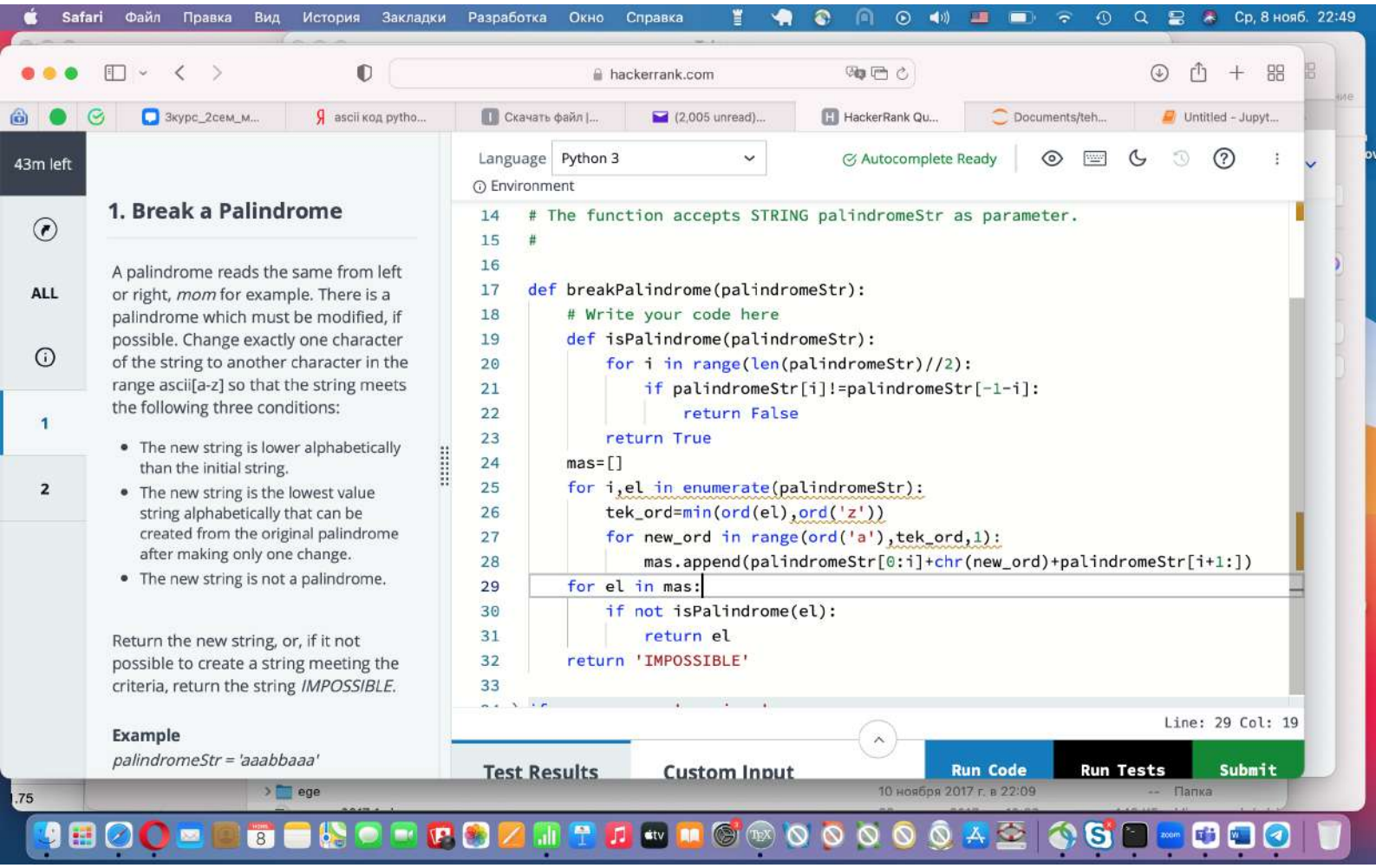
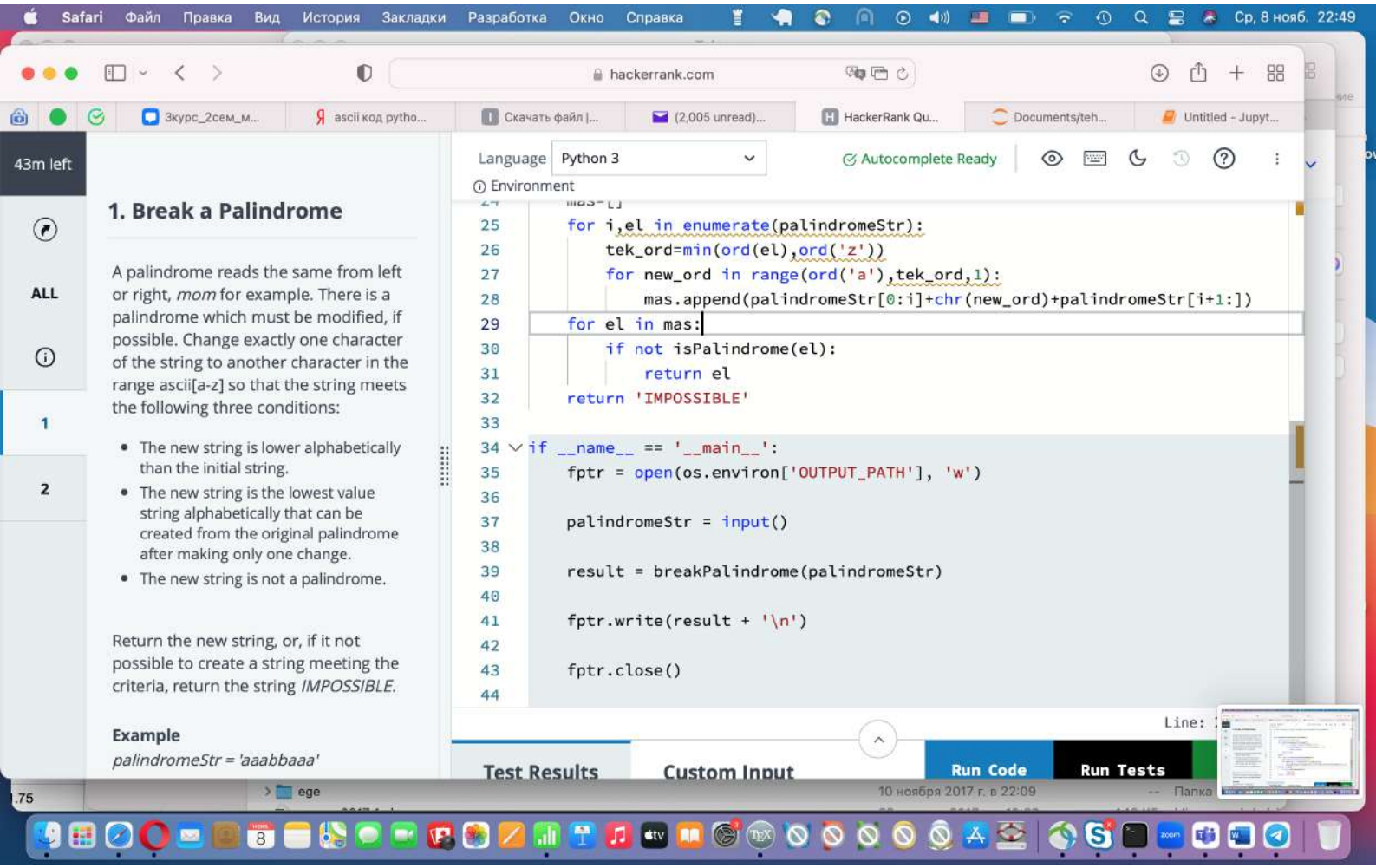

Safari Файл Правка Вид История Закладки Разработка Окно Справка
Ср, 8 нояб. 22:49
hackerrank.com
43m left
ALL
1
2
1. Break a Palindrome
A palindrome reads the same from left or right, mom for example. There is a palindrome which must be modified, if possible. Change exactly one character of the string to another character in the range ascii[a-z] so that the string meets the following three conditions:
The new string is lower alphabetically than the initial string.
The new string is the lowest value string alphabetically that can be created from the original palindrome after making only one change.
The new string is not a palindrome.
Return the new string, or, if it not possible to create a string meeting the criteria, return the string IMPOSSIBLE.
Example
palindromeStr = 'aaabbaaa'
Language Python 3
Autocomplete Ready
Environment
14 # The function accepts STRING palindromeStr as parameter.
15 #
16
17 def breakPalindrome(palindromeStr):
18 # Write your code here
19 def isPalindrome(palindromeStr):
20 for i in range(len(palindromeStr)//2):
21 if palindromeStr[i]!=palindromeStr[-1-i]:
22 return False
23 return True
24 mas=[]
25 for i,el in enumerate(palindromeStr):
26 tek_ord=min(ord(el),ord('z'))
27 for new_ord in range(ord('a'),tek_ord,1):
28 mas.append(palindromeStr[0:i]+chr(new_ord)+palindromeStr[i+1:])
29 for el in mas:
30 if not isPalindrome(el):
31 return el
32 return 'IMPOSSIBLE'
33
Line: 29 Col: 19
Test Results
Custom Input
Run Code
Run Tests
Submit
ege
10 ноября 2017 г. в 22:09
Папка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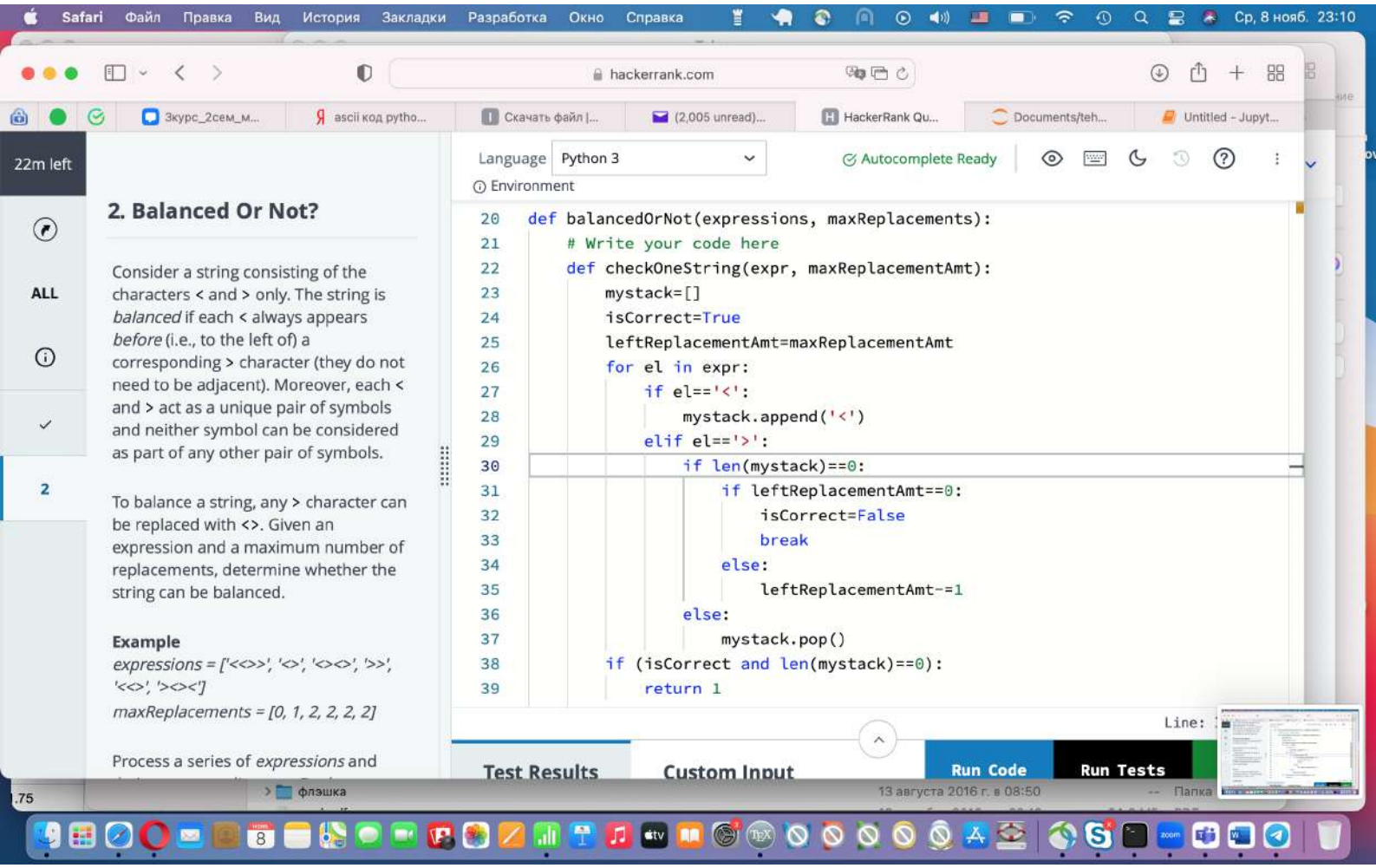
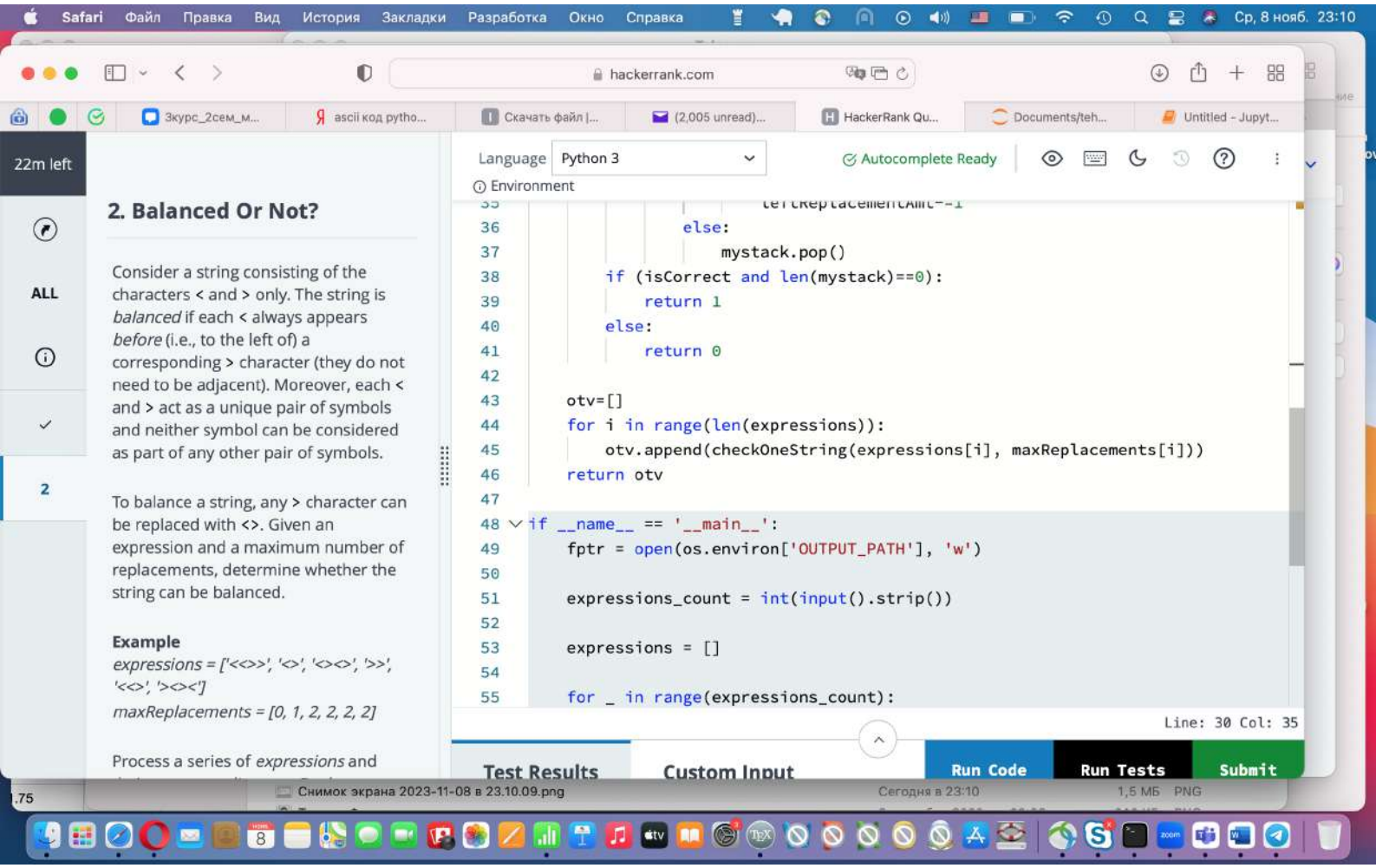
ALL
1
2
Language Python 3
Autocomplete Ready
Environment
for i,el in enumerate(palindromeStr):
tek_ord=min(ord(el),ord('z'))
for new_ord in range(ord('a'),tek_ord,1):
mas.append(palindromeStr[0:i]+chr(new_ord)+palindromeStr[i+1:])
for el in mas:
if not isPalindrome(el):
return el
return 'IMPOSSIBLE'
if __name__ == '__main__':
fptr = open(os.environ['OUTPUT_PATH'], 'w')
palindromeStr = input()
result = breakPalindrome(palindromeStr)
fptr.write(result + '\n')
fptr.close()
Test Results
Custom Input
Run Code
Run Tests
ege
10 ноября 2017 г. в 22:09
Папка


Safari Файл Правка Вид История Закладки Разработка Окно Справка
Ср, 8 нояб. 23:10
hackerrank.com
22m left
ALL
2
2. Balanced Or Not?
Consider a string consisting of the characters < and > only. The string is balanced if each < always appears before (i.e., to the left of) a corresponding > character (they do not need to be adjacent). Moreover, each < and > act as a unique pair of symbols and neither symbol can be considered as part of any other pair of symbols.
To balance a string, any > character can be replaced with <>. Given an expression and a maximum number of replacements, determine whether the string can be balanced.
Example
expressions = ['<<>>', '<>', '<><>', '>>', '<<>', '><><']
maxReplacements = [0, 1, 2, 2, 2, 2]
Process a series of expressions and
Language Python 3
Autocomplete Ready
Environment
20 def balancedOrNot(expressions, maxReplacements):
21 # Write your code here
22 def checkOneString(expr, maxReplacementAmt):
23 mystack=[]
24 isCorrect=True
25 leftReplacementAmt=maxReplacementAmt
26 for el in expr:
27 if el=='<':
28 mystack.append('<')
29 elif el=='>':
30 if len(mystack)==0:
31 if leftReplacementAmt==0:
32 isCorrect=False
33 break
34 else:
35 leftReplacementAmt-=1
36 else:
37 mystack.pop()
38 if (isCorrect and len(mystack)==0):
39 return 1
Line:
Test Results
Custom Input
Run Code
Run Tests
флэшка
13 августа 2016 г. в 08:50
Папка


Safari Файл Правка Вид История Закладки Разработка Окно Справка
Ср, 8 нояб. 23:10
hackerrank.com
22m left
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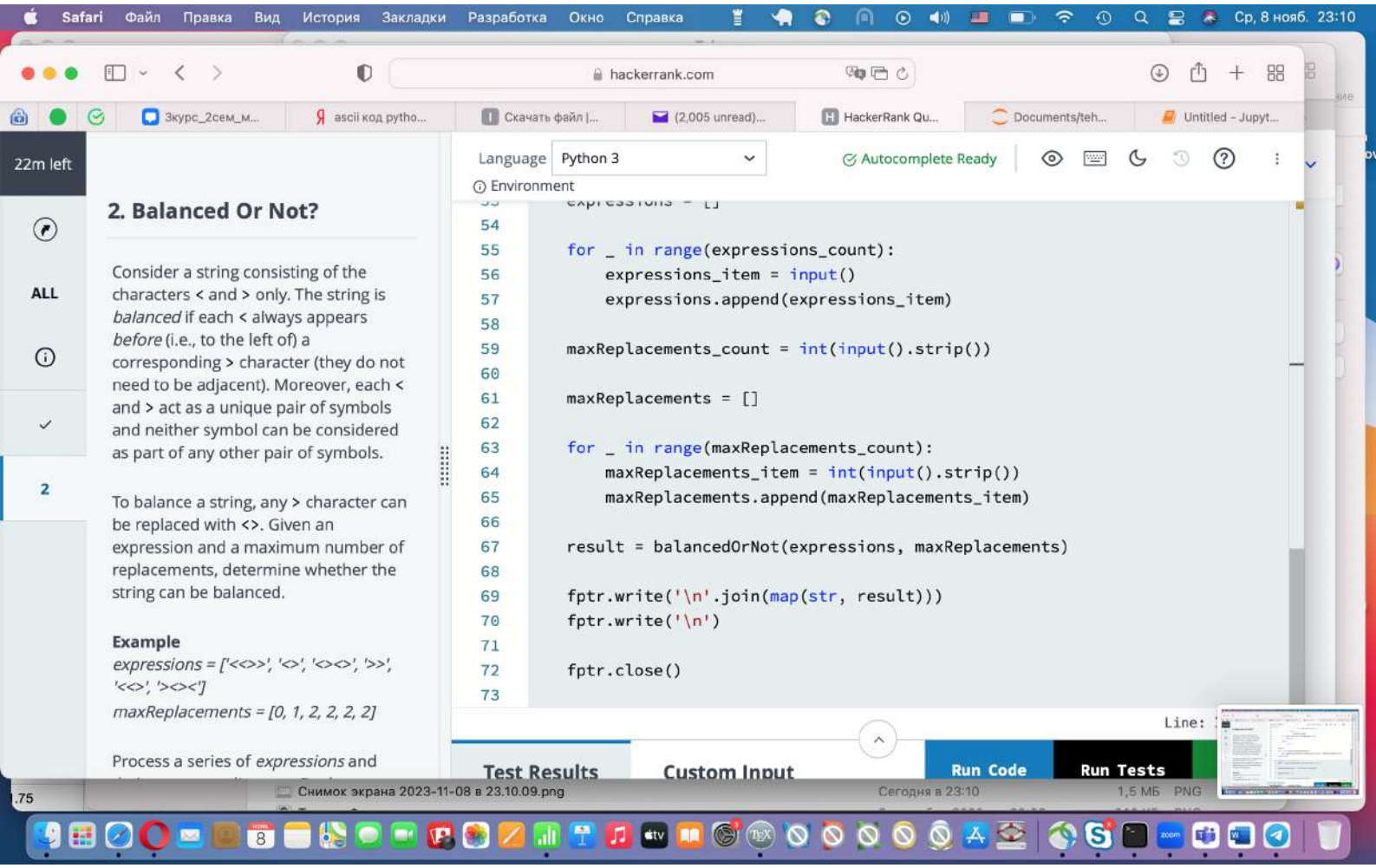
To balance a string, any > character can be replaced with <>. Given an expression and a maximum number of replacements, determine whether the string can be balanced.
Example
expressions = ['<<>>', '<>', '<><>', '>>', '<<>', '><><']
maxReplacements = [0, 1, 2, 2, 2, 2]
Process a series of expressions and
Language Python 3
Autocomplete Ready
Environment
else:
mystack.pop()
if (isCorrect and len(mystack)==0):
return 1
else:
return 0
otv=[]
for i in range(len(expressions)):
otv.append(checkOneString(expressions[i], maxReplacements[i]))
return otv
if __name__ == '__main__':
fptr = open(os.environ['OUTPUT_PATH'], 'w')
expressions_count = int(input().strip())
expressions = []
for _ in range(expressions_count):
Line: 30 Col: 35
Test Results
Custom Input
Run Code
Run Tests
Submit
Снимок экрана 2023-11-08 в 23.10.09.png
Сегодня в 23:10
1,5 МБ PNG


Safari Файл Правка Вид История Закладки Разработка Окно Справка
Ср, 8 нояб. 23:10
hackerrank.com
22m left
ALL
2
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Consider a string consisting of the characters < and > only. The string is balanced if each < always appears before (i.e., to the left of) a corresponding > character (they do not need to be adjacent). Moreover, each < and > act as a unique pair of symbols and neither symbol can be considered as part of any other pair of symbols.
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Example
expressions = ['<<>>', '<>', '<><>', '>>', '<<>', '><><']
maxReplacements = [0, 1, 2, 2, 2, 2]
Process a series of expressions and
Language Python 3
Autocomplete Ready
Environment
for _ in range(expressions_count):
expressions_item = input()
expressions.append(expressions_item)
maxReplacements_count = int(input().strip())
maxReplacements = []
for _ in range(maxReplacements_count):
maxReplacements_item = int(input().strip())
maxReplacements.append(maxReplacements_item)
result = balancedOrNot(expressions, maxReplacements)
fptr.write('\n'.join(map(str, result)))
fptr.write('\n')
fptr.close()
Line:
Test Results
Custom Input
Run Code
Run Tests
Снимок экрана 2023-11-08 в 23.10.09.png
Сегодня в 23:10
1,5 МБ
PNG