Python - AVERAGE - PART001

Solved Challenges **8/10**

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Minimum Distance Between Words [AMAZON]

ID:2614 **Solved By 4525 Users**

A string S is passed as the input. Two words W1 and W2 which are present in the string S are also passed as the input. The program must find the minimum distance D between W1 and W2 in S (in forward or reverse order) and print D as the output.

Input Format:
The first line will contain S.
The second line will contain W1.
The third line will contain W2.

Output Format:
The first line will contain D - the minimum distance between W1 and W2 in S.

Boundary Conditions:
Length of S is from 5 to 200.

Example Input/Output 1:
Input:
the brown quick frog quick the
the
quick

Output:
1

Explanation:
quick and the are adjacent as the last two words. Hence distance between them is 1.

Example Input/Output 2:
Input:
the quick the brown quick brown the frog
quick
frog

Output:
3

Max Execution Time Limit: 5000 millisecs

Ambiance

Python3 (3.x)

Reset

```
String = input().strip().split()
W1 = input().strip()
W2 = input().strip()
if(W1==W2):
    print(1)
    exit()
index1 = String.index(W1)
index2 = String.index(W2)
mini = abs(index1-index2)
for index in range(len(String)):
    word = String[index]
    if(word==W1):
        index1 = index
    if(word==W2):
        index2 = index
    if(abs(index1-index2)<mini):
        mini = abs(index1-index2)
print(mini)

```

Code did not pass the execution

TestCase ID: 6972

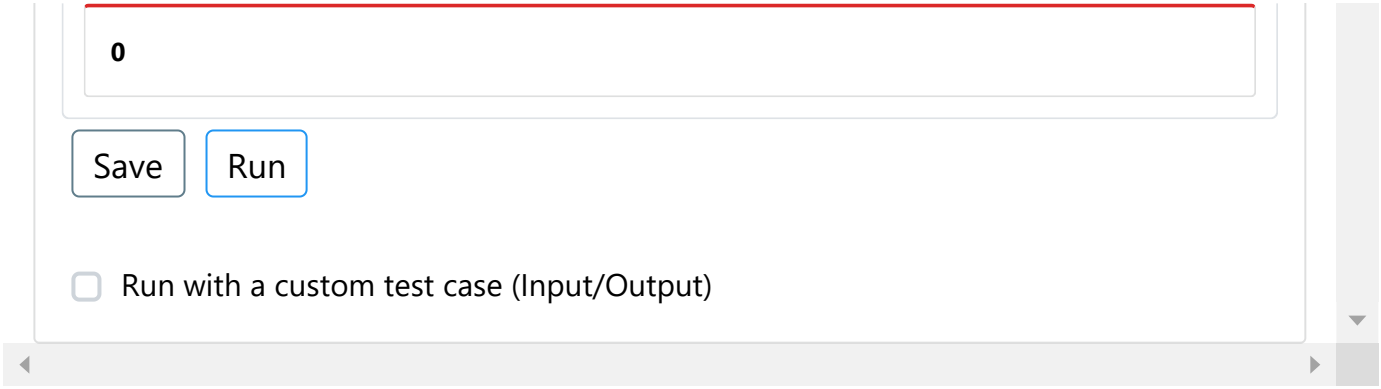
Input:

There is no time like today and we hope it is the first of many many many times coming her
e
many
many

Expected Output:

1

Your Program Output:


0
Save
Run
Run with a custom test case (Input/Output)