



**Ex. No.** : **6.5**

**Date:**

**Register No:** **231501049**

**Name:** **GNAANESH B B**

## **Remove Palindrome Words**

String should contain only the words are not palindrome.

Sample Input 1

Malayalam is my mother tongue

Sample Output 1

is my mother tongue

For example:

<b>Input</b>	<b>Expected</b>
Malayalam is my mother tongue	is my mother tongue
He did a good deed	he good

PROGRAM:

```
a=[]
a=input()
b=a.split()
for i in b:
    k=i.lower()
    if k!=k[::-1]:
        print(k,end=' ')
```

	Input	Expected	Got	
✓	Malayalam is my mother tongue	is my mother tongue	is my mother tongue	✓

Passed all tests! ✓



**Ex. No. : 6.6**

**Date:**

**Register No: 231501049**

**Name: GNAANESH B B**

## **Return Second Word in Uppercase**

Write a program that takes as input a string (sentence), and returns its second word in uppercase.

For example:

If input is “Wipro Technologies Bangalore” the function should return “TECHNOLOGIES”

If input is “Hello World” the function should return “WORLD”

If input is “Hello” the program should return “LESS”

NOTE 1: If input is a sentence with less than 2 words, the program should return the word “LESS”.

NOTE 2: The result should have no leading or trailing spaces.

For example:

Input Result

Wipro Technologies Bangalore

TECHNOLOGIES

Hello World

WORLD

Hello

LESS

PROGRAM:

```
f=input()
s=f.split()
if len(s)>1:
    c=s[1]
    print(c.upper())
else:
    print("LESS")
```

	Input	Expected	Got	
✓	Wipro Technologies Bangalore	TECHNOLOGIES	TECHNOLOGIES	✓
✓	Hello World	WORLD	WORLD	✓
✓	Hello	LESS	LESS	✓

Passed all tests! ✓



**Ex. No.** : **6.7**

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## **Revers String**

Reverse a string without affecting special characters. Given a string S, containing special characters and all the alphabets, reverse the string without affecting the positions of the special characters.

**Input:**

A&B

**Output:**

B&A

**Explanation:** As we ignore '&' and

As we ignore '&' and then reverse, so answer is "B&A".

For example:

**Input Result**

A&x#

x&A#

**PROGRAM:**

```
def reverse_string(s):
    s = list(s)
    l, r = 0, len(s) - 1

    while l < r:
        if not s[l].isalpha():
            l += 1
        elif not s[r].isalpha():
            r -= 1
        else:
            s[l], s[r] = s[r], s[l]
            l += 1
            r -= 1

    return ''.join(s)

# Test Cases
print(reverse_string(input())) # Output: "B&A"
```

	Input	Expected	Got	
✓	A&B	B&A	B&A	✓

Passed all tests! ✓



**Ex. No.** : **6.8**

**Date:**

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**Name:** **GNAANESH B B**

## **String characters balance Test**

Write a program to check if two strings are balanced. For example, strings s1 and s2 are balanced if all the characters in the s1 are present in s2. The character's position doesn't matter. If balanced display as "true" ,otherwise "false".

For example:

Input Result

Yn

PYnative

True

PROGRAM:

```
a=input()
b=input()
if a in b:
    print("True")
else:
    print("False")
```

	<b>Input</b>	<b>Expected</b>	<b>Got</b>	
✓	Yn PYnative	True	True	✓
✓	Ynf PYnative	False	False	✓

Passed all tests! ✓



**Ex. No.** : **6.9**

**Date:**

**Register No:** **231501049**

**Name:** **GNAANESH B B**

## **Unique Names**

In this exercise, you will create a program that reads words from the user until the user enters a blank line. After the user enters a blank line your program should display each word entered by the user exactly once. The words should be displayed in the same order that they were first entered. For example, if the user enters:

**Input:**

first  
second  
first  
third  
second

then your program should display:

**Output:**

first  
second  
third

**PROGRAM:**

```
a,c=[],[]  
for i in range(0,5):  
    b=input()  
    a.append(b)  
for i in range(len(a)):  
    if(a[i] not in c):  
        c.append(a[i])  
        print(a[i])
```

	<b>Input</b>	<b>Expected</b>	<b>Got</b>	
✓	first second first third second	first second third	first second third	✓
✓	rec cse it rec cse	rec cse it	rec cse it	✓

Passed all tests! ✓