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SLOT-B

PYTHON PROGRAMMING FOR BLOCK CHAIN PROJECTS

CSA0815

PROBLEM STATEMENT:

Write a program that checks if a given string is a palindrome (reads the same forward and backward). The program should ignore spaces and handle mixed-case inputs.

FUNCTIONAL REQUIREMENTS:

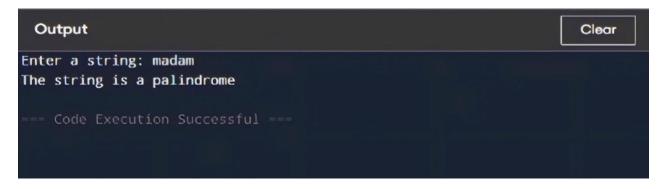
- Accept a string as input.
- Check if the string is the same when reversed, ignoring spaces and case.
- Display whether the string is a palindrome or not.

Code:

```
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       main.py
        1 · def is_palindrome(text):
R
        2
        3
               cleaned_text = ''.join(text.split()).lower()
        4
               if cleaned_text == cleaned_text[::-1]:
        5 -
                  print("The string is a palindrome")
        6
5
        7.
               else:
                  print("The string is not a palindrome")
        8
$
        9
       10 # Example usage
0
          user_input = input("Enter a string: ")
       11
       12 is_palindrome(user_input)
```

SAMPLE TEST CASES:

Palindrome (Normal Case):



Palindrome (With Spaces):



Non-Palindrome:



Palindrome (Mixed Case):

