10. Write a program for to check whether a given String is Palindrome or not using recursion

Aim: To check whether a given String is Palindrome or not using recursion

Program:

```python
def is_palindrome(s):
    s = s.lower().replace(" ", "")
    if len(s) < 2:
        return True
    if s[0] != s[-1]:
        return False
    return is_palindrome(s[1:-1])


# Test the function
string = "A man a plan a canal Panama"
if is_palindrome(string):
    print(f"{string} is a palindrome.")
else:
    print(f"{string} is not a palindrome.")
```

```
A man a plan a canal Panama is a palindrome.

=== Code Execution Successful ===
```

Time complexity:-O(n)