

C++ string Practice

The following exercise will give you practice using the C++ string data type. Submit your solution on easel.

Count Palindromes & Detecting Palindrome Phrases.

1. Allow the user to enter a phrase or sentence into a string.
2. Remove these 6 punctuation (. , ! ? : ;) characters.
3. Examine each word in the phrase and detect if each is a palindrome.
4. Display the count of the number of palindromes found.
5. Display the length of the longest palindrome.
6. Remove all whitespace from the phrase.
7. Examine the phrase to see if it is a palindrome.
8. Display "PHRASE PALINDROME" if it is.

Example:

```
Phrase> You must keep the radar level madam.  
Palindrome Count: 3  
Longest Palindrome: 5
```

```
Phrase> A car, a man, a maraca.  
Palindrome Count: 0  
Longest Palindrome: 0  
PHRASE PALINDROME
```