

Mastery Palindrome Error Log

Credit Name: CSE 2120 Data Structures 1

Assignment Name: Mastery Palindrome

Describe the errors you've encountered while working on this assignment. What caused the error and how do you overcome the error?

Error

The error I made in this code was because I did not convert the user's input to lowercase so the program wasn't case-insensitive. As you can see below the conversion to lowercase should have been where the red circled area is.

```
char[] charArray = palindromeCheck.toCharArray(); /* Turns the  
letters against each other to see if it is a palindrome (all re  
(explained more in reflection log)
```

```
*/
```

```
String reversed = ""; // Initializing the String variable reverse  
for (int i = charArray.length - 1; i >= 0; i--) { /* Breaks down the string  
and then moves onto the next letter (as long as i >= 0 because  
(explained more in my reflection log)
```

Not adding this caused any user inputs with a mix of capital and lowercase letters to show up as not a palindrome even if they were. Ex.

Enter a word to check if it is a palindrome:

Kayak

The entered word is NOT a palindrome.

To fix this I simply converted the input to lowercase so that any string input still worked.

```
palindromeCheck = palindromeCheck.toLowerCase();
```

This allowed the program to be case-insensitive as seen below.

Enter a word to check if it is a palindrome:

Kayak

The entered word is a palindrome.