

# ErrorLog: Palindrome

Youdis

```
/*
Program: ????.java      Last Date of this Revision: December 7, 2024

Purpose: Create a Palindrome application that prompts the user for a string and then displays a message
indicating whether or not the string is a palindrome.

Author: Youdis Acharya,
School: CHMS
Course: Computer Science 20
*/
package Mastery;
import java.util.Scanner;
public class Palindrome {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        String phrase;
        char[] phraseLetters;
        boolean isPalindrome = true;
        System.out.print("Please enter your phrase: ");
        phrase = (input.nextLine()).toLowerCase();
        phraseLetters = phrase.toCharArray();

        for(int i = 0; i < phraseLetters.length; i++) {

            if(phraseLetters[i] != phraseLetters[phraseLetters.length - i]) {
                isPalindrome = false;
            }
        }

        if (isPalindrome == false) {
            System.out.print("Your phrase is not a palindrome");
        } else {
            System.out.print("Your phrase is a palindrome");
        }
    }
}
```

```
Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: Index 5 out of bounds
at Mastery.Palindrome.main(Palindrome.java:28)
```

Giving me an error saying im accessing an index outside of the array

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        boolean isPalindrome = true;
        System.out.print("Please enter your phrase: ");
        phrase = (input.nextLine()).toLowerCase();
        phraseLetters = phrase.toCharArray();

        for(int i = 0; i < phraseLetters.length; i++) {

            if(phraseLetters[i] != phraseLetters[phraseLetters.length - i-1]) {
                isPalindrome = false;
            }
        }

        if (isPalindrome == false) {
            System.out.print("Your phrase is not a palindrome");
        } else {
            System.out.print("Your phrase is a palindrome");
        }
    }
}
```

```
Please enter your phrase: hey
Your phrase is not a palindrome
```

Fixed it by minusing the (phraseLetters.length - i) by -1 because in first round of the forloop the i equals zero so it asks the array to access the index value of its length but its length is always one more than the highest index value.